



August 24, 2001

Ms. Grace Bazylewski
Director of Planning and Development
Village of Lansing
18200 Chicago Avenue
Lansing, Illinois 60438

Subject: Phase I ESA Report – Northwest Corner Exchange Avenue & 170th Street,
Lansing, Illinois
Project No. 22-00000172.00

Dear Ms. Bazylewski:

Enclosed you will find two copies of the Phase I Environmental Site Assessment Report for the property located at the Northwest Corner of Exchange Avenue & 170th Street in Lansing, Illinois. Please direct any questions or comments regarding the report to the Ron Short or myself.

Sincerely,

Sarah Rubin
Project Geologist

SR:rws

Enclosure

cc: Karen Hoffschmidt – SSMMA (1 copy)
Deborah Orr – USEPA (1 copy)
Joy Stieglitz – Vandewalle & Assoc. (1 copy)

URS Corporation
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FINAL REPORT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

NORTHWEST CORNER OF
EXCHANGE AVENUE AND
170TH STREET
LANSING, ILLINOIS

Prepared for
Village of Lansing
18200 Chicago Avenue
Lansing, Illinois 60438

August 2001

URS

URS Corporation
122 South Michigan Avenue
Suite 1920
Chicago, Illinois 60603

Project # 22.00000172.00

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Executive Summary

URS Corporation (URS) has completed a Phase I Environmental Site Assessment (ESA) of a parcel of land located northwest of the intersection of Exchange Avenue and 170th Street in Lansing, Illinois (the Property). URS was retained by the Village of Lansing through the South Suburban Chicago Brownfields Coalition (SSCBC) under the United States Environmental Protection Agency (USEPA) Brownfield Assessment Demonstration Pilot Grant to conduct this ESA. This ESA was performed in accordance with the current American Society for Testing and Materials (ASTM) Standard Practice E 1527-00. The purpose of this assessment was to identify ASTM-recognized environmental conditions that may exist on the Property and to assess if impacts are likely to occur because of ~~current and/or~~ past on-site or nearby activities.

The Property consists of an approximately 26-acre undeveloped parcel owned by the Village of Lansing. There are two fenced areas housing an electrical substation and gas pipeline equipment within the Property boundaries. Historically, the Property was used for agricultural purposes dating back to at least the 1930s until about the 1970s. The history of the Property was established through interviews with Village of Lansing personnel and aerial photographs, which are summarized in detail in Section 4.0.

A review of regulatory database information did not reveal the presence of National Priority List (NPL) sites, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites, Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) facilities, RCRA Corrective Action (CORRACTS) sites, RCRA Small Quantity Generators (SQG) facilities, State Hazardous Waste Sites (SHWS), or former Manufactured Gas Plants (MGP) in the vicinity of the Property.

One CERCLA No Further Remedial Action Planned (NFRAP) facility, one RCRA Large Quantity Generator (LQG), one Solid Waste Landfill Facility (SWLF), one Site Remediation Program (SRP) site, one State Category (CAT) List site, three Leaking Underground Storage Tank (LUST) incidents, and one Underground Storage Tank (UST) site were identified in the vicinity of the Property.

URS has performed a Phase I ESA in conformance with ASTM Standard Practice E 1527-00 of the Property located northwest of the intersection of Exchange Avenue and 170th Street in Lansing, Illinois. There were no exceptions from the ASTM Standard Practice E 1527-00 for this Phase I ESA. This assessment has revealed the following recognized environmental conditions in connection with the Property:

- There is an inactive landfill on the south side of 170th Street. This landfill does not appear in the regulatory database. Due to the close proximity of this landfill and the lack of documentation concerning it, an IEPA file search on this site may be warranted.
- There is a monitoring well present on the south side of the Property. Village officials were unaware of its presence and have no documentation concerning it. It is suspected that the monitoring well was installed in connection with the inactive landfill located south of 170th Street. Further investigation into data which may exist for this well and possibly sampling of the well, may be warranted.

In addition, small containers of what appear to be used oil were observed on the Property, indicating that limited illegal dumping had taken place. There is potential for additional dumped materials to be present on the Property, but not observed due to the heavy vegetative cover.

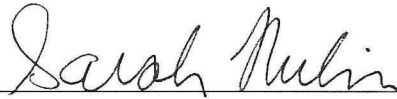
Executive Summary

The project contacts for URS are Ron Short and Sarah Rubin from the Chicago office at (312) 939-1000.



Ronald W. Short

Senior Field Technician



Sarah Rubin

Project Geologist

1.1 PROJECT BACKGROUND

URS was retained by the Village of Lansing through the South Suburban Chicago Brownfields Coalition under the USEPA Brownfield Assessment Demonstration Pilot Grant to conduct a Phase I ESA of a parcel of land owned by the Village of Lansing and located northwest of the intersection of Exchange Avenue and 170th Street in Lansing, Illinois (the Property). This Phase I ESA was performed in anticipation of the potential development of the Property.

1.2 PROJECT OBJECTIVES

The objective of the ESA was to identify "recognized environmental conditions" that may exist on the Property. "ASTM Practice E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", defines recognized environmental conditions as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property." The extent of research to identify recognized environmental conditions is limited by the scope of services.

This Phase I ESA was based upon ASTM Standard Practice E 1527-00 and the Scope of Work (SOW) outlined in Task Order Request #3 dated July 9, 2001. The project included the following tasks:

2.1 SITE RECONNAISSANCE

A reconnaissance of the Property was performed by Mr. Ronald Short, of URS, on July 25, 2001. Photographs of the Property were taken during the site visit and are included as Appendix A.

2.2 RECORDS REVIEW AND INTERVIEWS

URS conducted a review of reasonably-ascertainable federal, state and local environmental agency records to access the regulatory history of the Property and surrounding area within the ASTM-specified radius. URS enlisted an outside computer services firm, Environmental Data Resources, Inc. (EDR), to generate a comprehensive report which summarizes listings of federal and state facilities. A copy of the EDR report is included in Appendix B.

Historic aerial photographs were also reviewed and are included in Appendix C.

Interviews were conducted with Ms. Grace Bazylewski, Director of the Department of Planning and Development for the Village of Lansing, regarding environmental conditions and knowledge of historical activities on the Property.

2.3 EVALUATION, ANALYSIS AND REPORTING

This Phase I ESA Report addresses the findings of the tasks described above. Included in this report is a summary of significant findings, a conclusion as to the likelihood of contamination at the site with associated uncertainties, possible recommendations for additional investigatory work, if required, and a statement of limitations. This report is not intended as a warranty of site conditions. It reflects professional judgment which is based on the present standard of care of the profession.

3.1 LOCATION

The Property is located northwest of the intersection of Exchange Avenue and 170th Street in the Village of Lansing, Cook County, Illinois, approximately 0.5 miles north of Interstate 80/94. The Property location is shown on Figure 1, Site Location Map. The Site Location Map was extracted from the 1991 Calumet City, ILL-IND. USGS 7.5 Minute Series Quadrangle Map. The Property occupies approximately 26 acres on the north side of 170th Street and is owned by the Village of Lansing. The triangular shaped Property is bounded by high tension power lines to the west and north, a warehouse facility and vacant property across Exchange Avenue to the east, and Sexton Landfill across 170th Street to the south. The Property is located in the Southwest Quarter of Section 19, Township 36 North, Range 15 East, of the Third Principal Meridian.

3.2 SITE IMPROVEMENTS

The Property is currently vacant and consists of approximately 26 acres of land. Various types of vegetation ranging from grasses to large trees cover the Property. The majority of the trees are at the south end, with grasses, shrubs, and small trees in the middle, and mowed grass on the north end. The site is relatively flat, except for a large depression at the north end that contains storm drains. Village water line culverts were observed along the south side of the Property.

There is an electrical substation operated by Commonwealth Edison on the southwest portion of the Property. The substation consists of a small brick building and electrical equipment within a small fenced-in area. There is an additional small fenced area that houses Nicor Gas pipeline equipment on the southwest corner of the Property. Ms. Bazylewski was unsure whether these two fenced in areas were owned by the utilities or leased from the Village of Lansing.

3.3 ENVIRONMENTAL SETTING

The Property is located in the southeast portion of Cook County, Illinois. The surficial geologic deposits in this section of the county are typically glacial drift deposited during the Wisconsin Glacial Age. The topography in the vicinity of the Property and surrounding area is generally flat. The Property is at an approximate elevation of 600 feet above mean sea level (MSL).

The surficial geology of the region is composed of the Lake Plain deposits of the Equality Formation. These deposits are characterized by floors of glacial lakes flattened by wave erosion and by minor deposition in low areas; largely underlain by glacial till; thin deposits of silt, clay, and sand of the Equality Formation are present locally. URS' project experience at nearby sites indicates that the subsurface stratigraphy in the vicinity of the Property is likely to consist of very low permeability clay with occasional thin seams of sand, silt, or gravel. Bedrock deposits in the region consist of Silurian Dolomite, which occurs at depths of 50 to 200 feet below ground surface.

The upper-most groundwater surface can usually be found in the unconsolidated glacial deposits. However, since the predominant composition of these deposits are low permeable soils (silt and clay), groundwater is most likely indicative of seepage from the surrounding formation, perched conditions, and/or groundwater from possible sand lenses, layers, and stringers within lake plain

deposits. Groundwater can be typically found within 20 feet of the ground surface. Groundwater flow in the unconsolidated deposits can be expected to follow topographic relief and/or toward major bodies of water (lakes, rivers and streams).

- Based on URS' hydrogeologic experience at nearby sites, it is estimated that the depth to groundwater in unconsolidated deposits in the vicinity of the Property ranges from two feet to seven feet below ground surface. The direction of groundwater flow through these deposits is likely to be north toward the Little Calumet River.

The Property is relatively flat and almost completely covered with vegetation. It is likely that rainwater percolates into the ground on the site and gathers in the depression on the north end of the site where it discharges into the village stormwater system.

The nearest surface water is the Little Calumet River located approximately 400 feet north of the north end of the site.

Drinking water near the Property is derived from Lake Michigan and is supplied by the Village of Lansing.

The history of the Property is based on interviews with Ms. Bazylewski and a review of historical aerial photographs. Historical fire insurance map coverage does not include the area where the Property is located. Prior to the 1970s, to as long ago as 1938, the Property was utilized as agricultural land. The Property has been owned by the Village since 1986, when it was acquired from the Landings Tax Increment Finance District. The only known development on the Property is the Commonwealth Edison sub-station in the southwest portion of the Property which was constructed after 1986 and natural gas pipeline equipment on the southwest corner of the Property which has been there prior to the 1970s.

4.1 HISTORICAL AERIAL PHOTOGRAPHS

Aerial photographs were obtained from Microdot, Inc. for the years 1938 and 1952 and from the Northeastern Illinois Planning Commission (NIPC) for the years 1970, 1975, 1981, 1985, and 1995. The aerial photographs were reviewed for evidence of historical property usage. Copies of the aerial photographs are included in Appendix C.

The **1938 aerial photograph** indicated the Property and most of the surrounding land were used for agricultural purposes. The only buildings in the vicinity of the Property are a group of small buildings to the north and a large building to the southeast across 170th Street, which is believed to be a building operated by the National Brick Company.

The **1952 aerial photograph** indicated the Property was still used for agricultural purposes and the surrounding land use was consistent with that shown in the 1938 photograph, with the exception of power lines being constructed on the property to the west, and a large building which was constructed approximately 1,000 feet east of the Property. The building is a foundry owned by Vulcan Mold and Iron.

The **1970 aerial photograph** indicated the Property and surrounding land were still being used for agricultural purposes. The only addition appears to be the natural gas pipeline structure in the southwest corner of the Property. A portion of the National Brick Company building was gone and an addition had been constructed on the Vulcan Mold and Iron building.

The **1975 aerial photograph** indicated no major changes to the Property or adjacent properties from the 1970 aerial photograph.

The **1981 aerial photograph** indicated that agricultural use of the Property had ceased, evidenced by the emergence of trees on the south portion of the Property. There were no major changes to the adjacent properties from the 1975 aerial photograph.

The **1985 aerial photograph** indicated no major changes to the Property or adjacent properties from the 1981 aerial photograph.

The **1995 aerial photograph** indicated that a small building had been constructed in the southwest portion of the Property. Access to the building is from a road running east-west off of Exchange Avenue. A large warehouse building has been constructed on the adjacent property to the east across Exchange Avenue. A large group of commercial buildings has been constructed west of the Property on the other side of the Commonwealth Edison power lines.

4.2 SANBORN FIRE INSURANCE MAPS

There is no Sanborn Fire Insurance Map coverage for the area where the Property is located.

4.3 LOCAL RECORDS

Inquiries were made at the Village of Lansing Building Department and the Village of Lansing Fire Department regarding records for the Property. There were no records on file for the Property at either department.

4.4 PREVIOUS STUDIES

To the best of Ms. Bazylewski's knowledge, there have been no previous environmental assessments performed for the Property.

5.1 PROPERTY OBSERVATIONS

Mr. Ronald Short of URS, conducted a reconnaissance of the Property on July 25, 2001 to identify current Property uses and potential sources of potential hazardous substances both on and immediately adjacent to the Property.

The Property is almost entirely covered with vegetation consisting of mature trees at the southern end, grasses and shrubs with occasional small trees in the middle, and a mown grass depression at the north end. No evidence of any stressed vegetation was observed during the reconnaissance.

A Commonwealth Edison electrical substation occupies a small area on the western portion of the Property. The substation is accessed by a gravel and asphalt road which crosses the Property from east to west off of Exchange Avenue. The substation consists of a small brick building and electrical equipment that are surrounded by chain-link fencing. Another small fenced area on the southwest corner of the Property houses Nicor Gas pipeline equipment.

The grassy depression on the northern portion of the Property is a stormwater basin that was constructed in the 1980s by the Village of Lansing. The basin was constructed to handle stormwater during development of nearby commercial properties. A monitoring well was observed on the south side of the Property approximately 30 feet north of 170th Street. Ms. Bazylewski was not aware of the presence of the monitoring well nor could she find any records or data from the well in Village files. On the east side of the property along Exchange Avenue, four small plastic containers of a black liquid were observed in the grass. The liquid is suspected to be used oil.

5.2 ADJACENT PROPERTIES

URS observed the adjacent properties for visible environmental conditions during the site reconnaissance. There were no readily visible environmental conditions. The Property is bounded by:

North: across Exchange Avenue, power lines and a fenced gas pipeline station;

East: across Exchange Avenue, Silver Line Trucking and Office Depot warehouse to the north and vacant property to the south;

South: across 170th Street, Sexton Landfill; and

West: Commonwealth Edison high-tension power lines.

Regulatory records maintained by the following agencies were reviewed during this ESA:

- U.S. EPA
- Illinois Environmental Protection Agency (IEPA)
- Office of the Illinois State Fire Marshal (OSFM)

The purpose of the records review was to assess the potential for the presence of hazardous substance contamination on the Property as a result of activities conducted on properties within the study area defined in the Scope of Services section of this report. The state and federal database listings were searched by EDR, an independent information service. U.S. EPA, IEPA, and OSFM database files were reviewed based on ASTM Standard Practice E 1527-00 for the area surrounding the facility.

6.1 FEDERAL AGENCY RECORDS

Federal environmental documents that were reviewed included the following:

- U.S. EPA's NPL, dated January 2001, for final and proposed sites;
- U.S. EPA's Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS), dated March 2001, showing properties which may be considered uncontrolled hazardous waste sites that have been brought to the attention of U.S. EPA;
- U.S. EPA's RCRA list of registered hazardous waste generators, dated June 2000;
- U.S. EPA's Emergency Response Notification System (ERNS) database on reported releases of oil and hazardous substances, dated August 2000; and
- U.S. EPA's NFRAP report of sites which have been removed from the U.S. EPA's CERCLIS database, dated March 2001.

6.1.1 National Priority List (NPL)

NPL sites are uncontrolled or abandoned hazardous wastes sites that have been identified for priority remedial corrective action under the Superfund Program.

There are no NPL sites located within one mile of the Property.

6.1.2 Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS)

The CERCLIS file lists sites that the U.S. EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980.

There are no CERCLIS sites located within ½ mile of the Property.

6.1.3 Resource Conservation and Recovery Act (RCRA)

The RCRA file lists sites which treat, store, dispose (RCRA-TSD) or generate specified quantities (RCRA-LQG, RCRA-SQG) of EPA regulated hazardous wastes or meet other applicable requirements of RCRA.

There are no RCRA CORRACTS facilities located within one mile of the Property. There are no RCRIS TSD facilities located within ½-mile of the Property. There are no RCRA-SQG facilities located within ¼-mile of the Property. There is one (1) RCRA-LQG facility located within ¼-mile of the Property. The site and its location are listed as follows:

RCRIS-LQG

- Morton International, Inc. 2700 170th St. ~ 1/8-mile South-southeast

According to the database report, the RCRA site has not been listed with violations associated with their generator status. Additionally, the site is non-adjacent and is located topographically crossgradient from the Property. Therefore, this site is not likely to impact the Property.

6.1.4 Emergency Response Notification System (ERNS)

The ERNS database lists reported releases of oil and hazardous substances.

The Property is not on the current ERNS listing.

6.1.5 No Further Remedial Action Planned Sites (NFRAP)

The NFRAP report, also known as the CERCLIS Archive, contains information pertaining to sites that have been removed from the CERCLIS database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or NPL consideration.

There is one (1) NFRAP site located within ½-mile of the Property.

- Morton International, Inc. 2700 170th St. ~ 1/8 mile South-southeast

This site was discovered in 1983 and inspected in 1987 when it received its NFRAP status. This site is non-adjacent and is located topographically crossgradient from the Property. Therefore, this site is not likely to impact the Property.

6.2 STATE AGENCY RECORDS

The state environmental records that were reviewed included the following:

- IEPA State Hazardous Waste Site List (SHWS), dated June 2000, of sites deemed potentially hazardous (state equivalent of federal CERCLIS or NPL);
- IEPA Site Remediation Program (SRP) Database, dated May 2001, of voluntary remediation projects (non-ASTM database);
- IEPA list of Illinois Solid Waste Landfills (SWLF), dated January 2000;

- IEPA inventory of reported LUST incidents, dated May 2001; and
- OSFM inventory of reported USTs, dated March 2001.

6.2.1 The State Hazardous Waste Site List (SHWS)

The Illinois SHWS List is the state equivalent of the federal CERCLIS and NPL and is a summary listing of facilities that are deemed potentially hazardous by the IEPA.

There are no SHWS Sites located within one mile of the Property.

6.2.2 Site Remediation Program (SRP)

The SRP is a summary listing of voluntary remediation projects administered by the IEPA. This is a non-ASTM database.

There is one (1) SRP site located within one mile of the Property.

- River Place Shopping Center Two River Place 1/3-mile West-southwest

According to the database report, the SRP site was enrolled in the program in June 1992 and received a Section 4 Letter in June 1998. The site is located approximately 1/3-mile in a topographically crossgradient direction from the Property. Therefore, it is not likely to impact the Property.

6.2.3 Illinois Solid Waste Landfills (SWLF)

The SWLF database includes an inventory of solid waste disposal facilities or landfills. The listings reviewed include the NIPC inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data.

According to the database report, there are no SWLFs within-½ mile of the Property. There is however a closed landfill in the vicinity of the Property that was not listed in the EDR report. This site is the Sexton Landfill located on the south side of 170th Street, south of the Property.

6.2.4 Leaking Underground Storage Tank (LUST) Information

A review of the list of LUST Release Incidents revealed the following three (3) incidents within ½-mile of the Property:

- B&K Equipment 170th St.& Torrence Ave. ¼-mile West-southwest
- J.J. Wright Motor Co. 17220 Torrence Ave. ½-mile Southwest
- Comar Drilling Co., Inc. 16875 Chicago Ave. ½-mile East

All three of the LUST incidents are located greater than ¼ mile in topographically crossgradient directions from the Property. Based on the distance and direction of these sites, the LUST incidents are not likely to impact the Property.

6.2.5 Registered Underground Storage Tanks (UST)

There are two (2) registered UST sites located within one-quarter mile of the Property.

- New Lansing Police Facility 2710 E. 170th St. 1/8-mile East
- Sexton/Lansing 170th St./1/2-mile E. of Torrence Adjacent South

According to the database report, the Sexton/Lansing site is closed and the New Lansing Police Facility is located crossgradient from the Property. Based on the above information, the UST sites are not likely to impact the Property.

SECTION SEVEN

Conclusions and Recommendations

URS has performed a Phase I ESA in conformance with ASTM Standard Practice E 1527-00 of the parcel of land located northwest of the intersection of Exchange Avenue and 170th Street in Lansing, Illinois. There were no exceptions from the ASTM Standard Practice E 1527-00 for this Phase I ESA. This assessment has revealed the following recognized environmental conditions in connection with the Property:

- There is an inactive landfill on the south side of 170th Street. This landfill does not appear in the regulatory database. Due to the close proximity of this landfill and the lack of documentation concerning it, an IEPA file search on this site may be warranted.
- There is a monitoring well present on the south side of the Property. Village officials were unaware of its presence and have no documentation concerning it. It is suspected that the monitoring well was installed in connection with the inactive landfill located south of 170th Street. Further investigation into data which may exist for this well and possibly sampling of the well, may be warranted.

In addition, small containers of what appear to be used oil were observed on the Property, indicating that limited illegal dumping had taken place. There is potential for additional dumped materials to be present on the Property, but not observed due to the heavy vegetative cover.

We have performed our services for this project in accordance with the Scope of Work (SOW) outlined in Task Order Request #3, dated July 9, 2001, and the ASTM Standard Practice E 1527-00 for ESA investigations. No guarantees are either expressed or implied.

The records search was limited to information available from public sources and the Village of Lansing; this information is changing continually and is frequently incomplete. Unless we have actual knowledge to the contrary, information obtained from interviews or provided to us by the Village of Lansing has been assumed to be correct and complete. We do not assume any liability for misrepresentation of information or for items not visible, accessible, or present on the Property at the time of the site visit.

There is no investigation which is thorough enough to preclude the presence of materials on the Property which presently, or in the future, may be considered hazardous. Unless site conditions change, this document and the information contained herein are valid for a period of 180 days according to the ASTM Practice, and have been prepared solely for the use of the Village of Lansing. No third party shall have the right to rely on URS opinions rendered in connection with the services or in this document without URS's written consent and the third party's agreement to be bound to the same conditions and limitations as client. Opinions and judgments expressed herein, which are based on our understanding and interpretation of current regulatory standards, should not be construed as legal opinions.

CORPORATE

URS has over 300 offices worldwide, providing professional services in engineering and sciences applied to the earth and its environment. One of the main areas of practice is Waste Management and Engineering, which involves the application of science and engineering to contamination assessment and cleanup; the management, minimization, treatment, and disposal of hazardous, solid and industrial waste; and regulatory compliance. Phase I ESAs are a part of this practice area and have been conducted by URS nationwide.

9.2 INDIVIDUAL

The qualifications of the Project Team involved in this ESA meet the URS corporate requirements for performing ESAs.

Sarah Rubin

Project Manager, has extensive experience in remediation, specifically as it relates to ground water and soil contamination. Ms. Rubin has eleven years experience and has been involved in many environmental field investigations ranging in size from site audits and small municipal landfill sites to large RCRA and CERCLA sites. Ms. Rubin has performed the duties of project manager overseeing collection of soil, ground water, surface water and sediment samples.

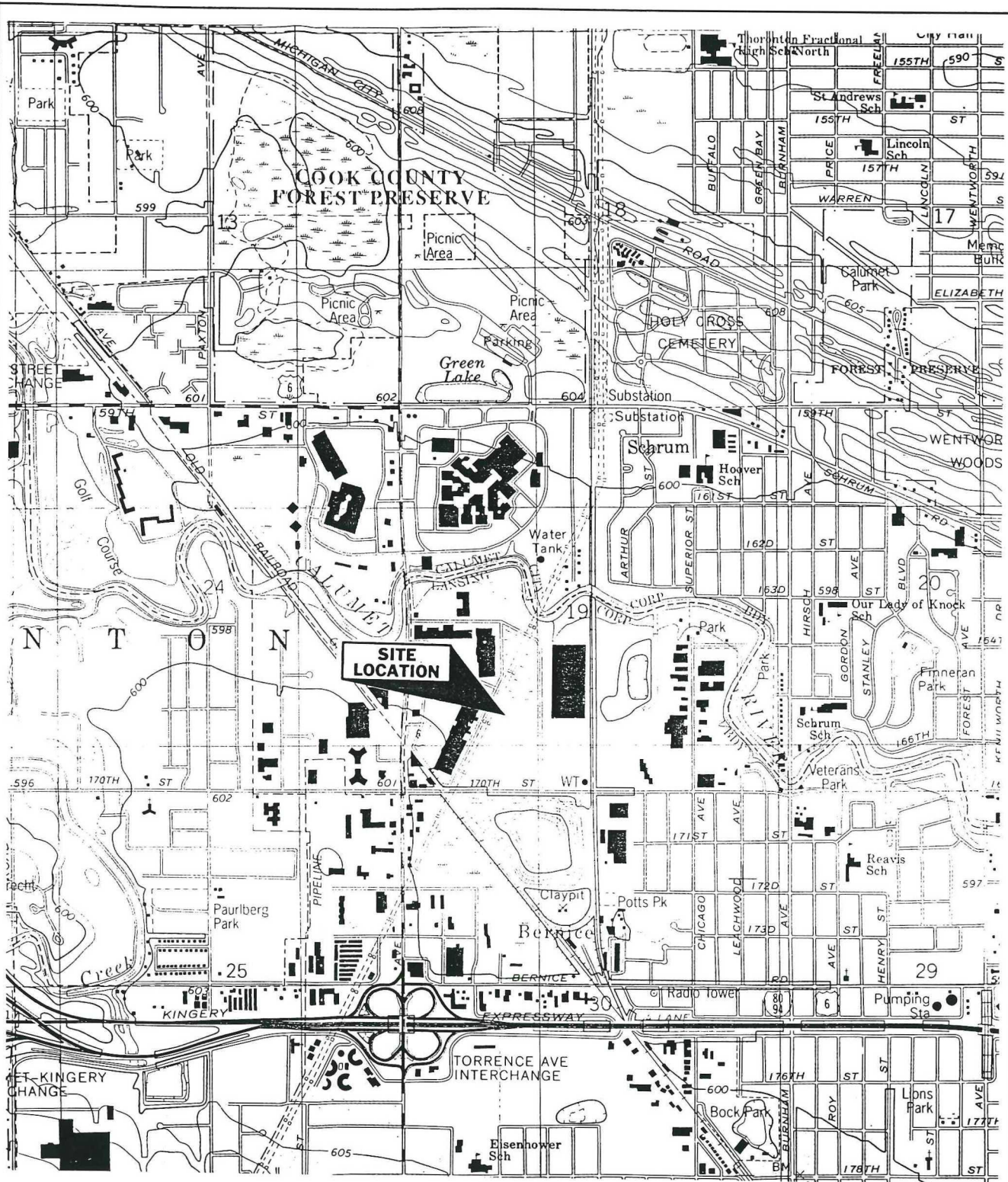
Ronald Short

Senior Field Technician, has conducted work on a wide scope of projects ranging from small real estate transaction assessments to full-scale soil and groundwater investigations at major oil refineries. Mr. Short has worked on over 100 projects with URS which include: soil and groundwater investigations, contaminated soil removal, underground storage tank removal and remediation, Phase I & II Site Assessments, compliance audits, geotechnical investigations, and asbestos surveys.

Chris Albrecht

Mr. Albrecht provided management oversight and peer review for this project. Mr. Albrecht graduated from the University of Illinois with a B.S. in Biology. He has a M.S. from Governors State University in Environmental Biology. Mr. Albrecht has over twelve years in the environmental field, focusing on Phase I and Phase II ESAs. He has conducted work on a wide scope of projects which include: soil and groundwater investigations, underground storage tank removal, environmental compliance assessments, and asbestos surveys. Mr. Albrecht is also a certified asbestos inspector and management planner in the states of Illinois, Iowa, Ohio, and Wisconsin.

Figures



SOURCE:



CALUMET CITY, ILL.-IND.
41087-E5-TF-024
1991
DMA 3467 II SE-SERIES V863



0 1000 2000
SCALE, FEET

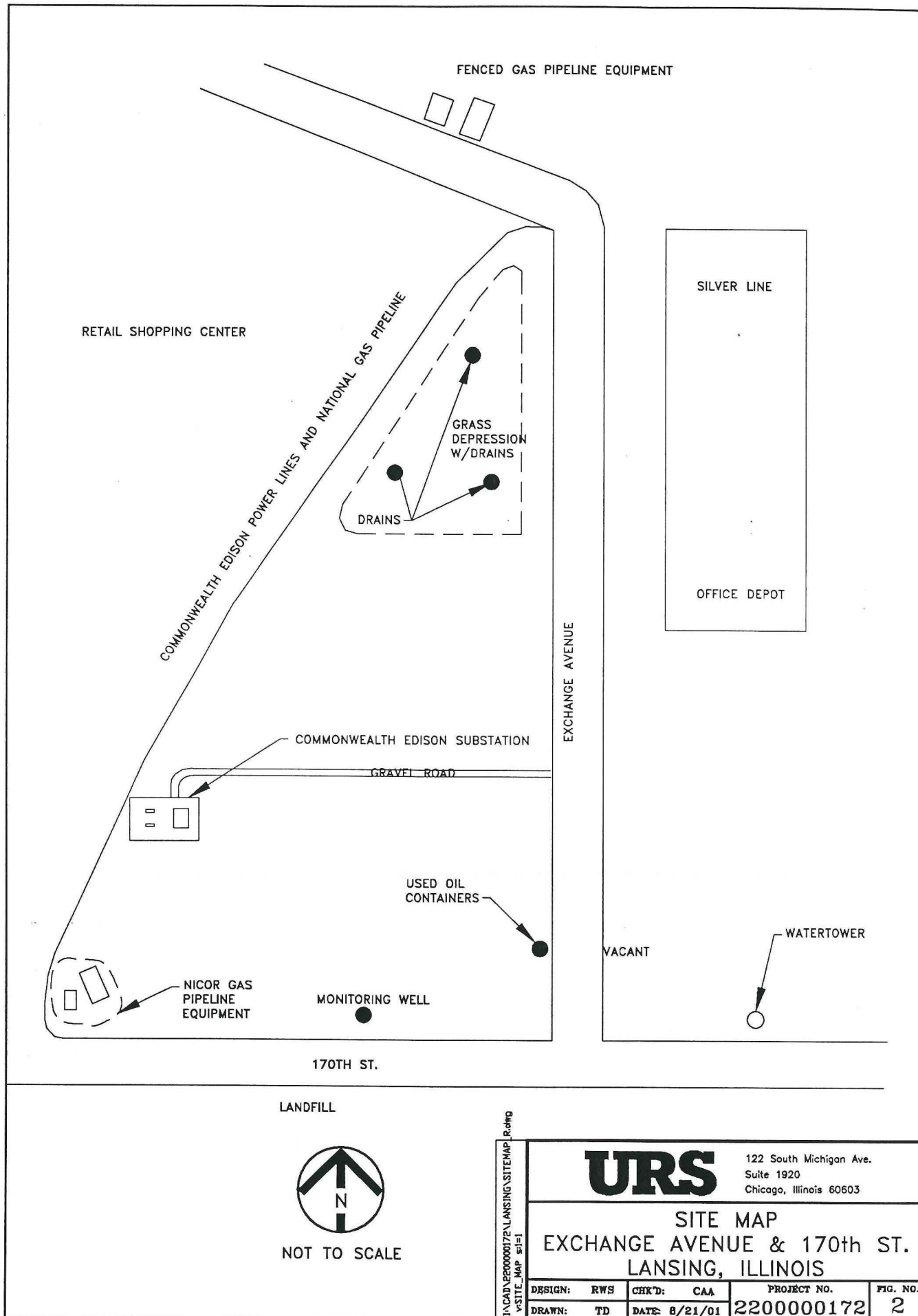
URS

122 South Michigan Ave.
Suite 1920
Chicago, Illinois 60603

**SITE LOCATION MAP
EXCHANGE AVENUE & 170th ST.
LANSING, ILLINOIS**

DESIGN: RWS	CHECKED: CAA	PROJECT NO.	FIG. NO.
DRAWN: LM	DATE: 7/24/01	2200000172	1

J:\CAD\2200000172\LANSING SITE MAP.dwg
V8.11 8/1/01



Appendix A
Photographic Documentation

Lansing Property
170th St. & Exchange Ave.
Lansing, IL

URS



PHOTOGRAPH 1.:
View of the north portion of the
Property facing northeast.



PHOTOGRAPH 2.:
Nicor gas pipeline buildings located at
southwest corner of the Property.



PHOTOGRAPH 3.:
Commonwealth Edison power lines
adjacent west of the Property (facing
north).

Lansing Property
170th St. & Exchange Ave.
Lansing, IL

URS



PHOTOGRAPH 4.:

View of south side of the Property (at left) facing east down 170th Street.



PHOTOGRAPH 5.:

Monitoring well on the south side of the Property, approximately 30 feet off of 170th Street.



PHOTOGRAPH 6.:

Small containers of black liquid (possibly used oil) near the south side of the Property along Exchange Avenue.

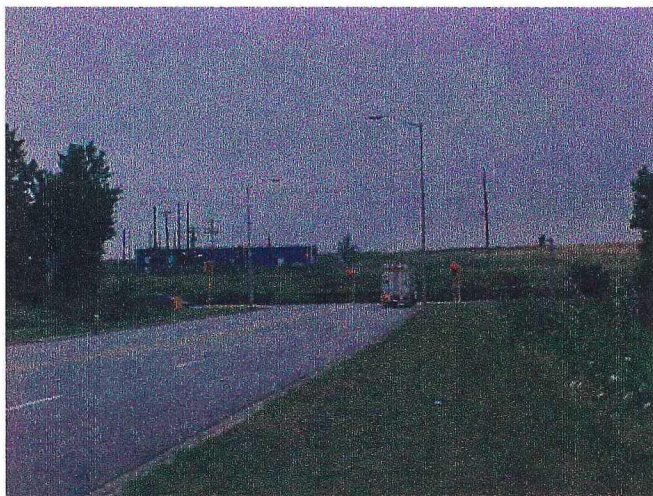
Lansing Property
170th St. & Exchange Ave.
Lansing, IL

URS



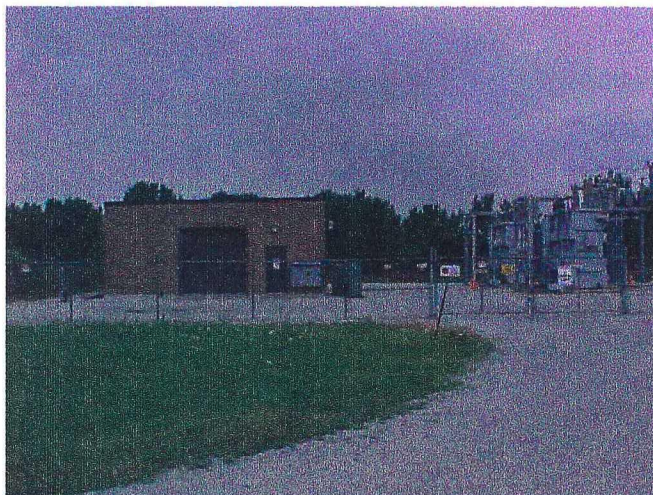
PHOTOGRAPH 7.:

View of adjacent property to the east
across Exchange Avenue.



PHOTOGRAPH 8.:

View looking south on Exchange
Avenue with Sexton Landfill in the
background across 170th Street.



PHOTOGRAPH 9.:

Commonwealth Edison power station
located in the southwest portion of the
Property.

Lansing Property
170th St. & Exchange Ave.
Lansing, IL

URS



PHOTOGRAPH 10.:

Silver Line Trucking located on the north end of the building on the adjacent east property.



PHOTOGRAPH 11.:

Commonwealth Edison power lines adjacent west of the Property (facing south).



PHOTOGRAPH 12.:

Grassy depression on north end of Property with storm drains.

Lansing Property
170th St. & Exchange Ave.
Lansing, IL

URS



PHOTOGRAPH 13.:
Storm drain in grassy depression on
north end of Property.



PHOTOGRAPH 14.:
View of grassy depression on the north
side of the Property (facing northeast).



PHOTOGRAPH 15.:
Fenced area on adjacent property to the
north housing gas pipeline components.

Appendix B
Regulatory Database



The EDR Radius Map with GeoCheck®

**Village of Lansing
170th Street/Exchange Drive
Lansing, IL 60438**

Inquiry Number: 660325.1s

July 24, 2001

The Source For Environmental Risk Management Data

**3530 Post Road
Southport, Connecticut 06490**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

170TH STREET/EXCHANGE DRIVE
LANSING, IL 60438

COORDINATES

Latitude (North): 41.588000 - 41° 35' 16.8"
Longitude (West): 87.553400 - 87° 33' 12.2"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 453872.9
UTM Y (Meters): 4603969.0

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2441087-E5 CALUMET CITY, IL IN
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL _____ National Priority List
Proposed NPL _____ Proposed National Priority List Sites
CERCLIS _____ Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS _____ Corrective Action Report
RCRIS-TSD _____ Resource Conservation and Recovery Information System
RCRIS-SQG _____ Resource Conservation and Recovery Information System
ERNS _____ Emergency Response Notification System

STATE ASTM STANDARD

SHWS _____ State Oversight List
SWF/LF _____ Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge

FEDERAL ASTM SUPPLEMENTAL

CONSENT _____ Superfund (CERCLA) Consent Decrees

EXECUTIVE SUMMARY

ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

IL NIPC Solid Waste Landfill Inventory

EDR PROPRIETARY DATABASES

Coal Gas Former Manufactured Gas (Coal Gas) Sites

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CERCLIS-NFRAP: As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 03/16/2001 has revealed that there is 1 CERC-NFRAP site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MORTON INTERNATIONAL INC</i>	<i>2700 170TH ST</i>	<i>0 - 1/8 SSE</i>	<i>A1</i>	<i>5</i>

EXECUTIVE SUMMARY

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 06/21/2000 has revealed that there is 1 RCRIS-LQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>MORTON INTERNATIONAL INC</i>	<i>2700 170TH ST</i>	<i>0 - 1/8 SSE</i>	<i>A1</i>	<i>5</i>

STATE ASTM STANDARD

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Illinois Environmental Protection Agency's LUST Incident Report.

A review of the LUST list, as provided by EDR, and dated 05/26/2001 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
B&K EQUIPMENT	170TH / TORRENCE AVE.	1/4 - 1/2 WSW	3	6
J.J. WRIGHT MOTOR CO.	17220 TORRENCE AVE.	1/4 - 1/2 SW	5	7
COMAR DRILLING CO. INC.	16875 CHICAGO AVE.	1/4 - 1/2 E	6	9

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Illinois State Fire Marshal's STC Facility List.

A review of the UST list, as provided by EDR, and dated 06/06/2001 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NEW LANSING POLICE FACILITY	2710 E 170TH ST	0 - 1/8 SSE	A2	5

CAT:Illinois Category List.

A review of the CAT list, as provided by EDR, and dated 06/01/1997 has revealed that there is 1 CAT site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>RIVER PLACE SHOPPING CENTER</i>	<i>TWO RIVER PLACE</i>	<i>1/4 - 1/2 WSW</i>	<i>4</i>	<i>6</i>

STATE OR LOCAL ASTM SUPPLEMENTAL

A review of the SRP list, as provided by EDR, and dated 05/18/2001 has revealed that there is 1 SRP site within approximately 1 mile of the target property.

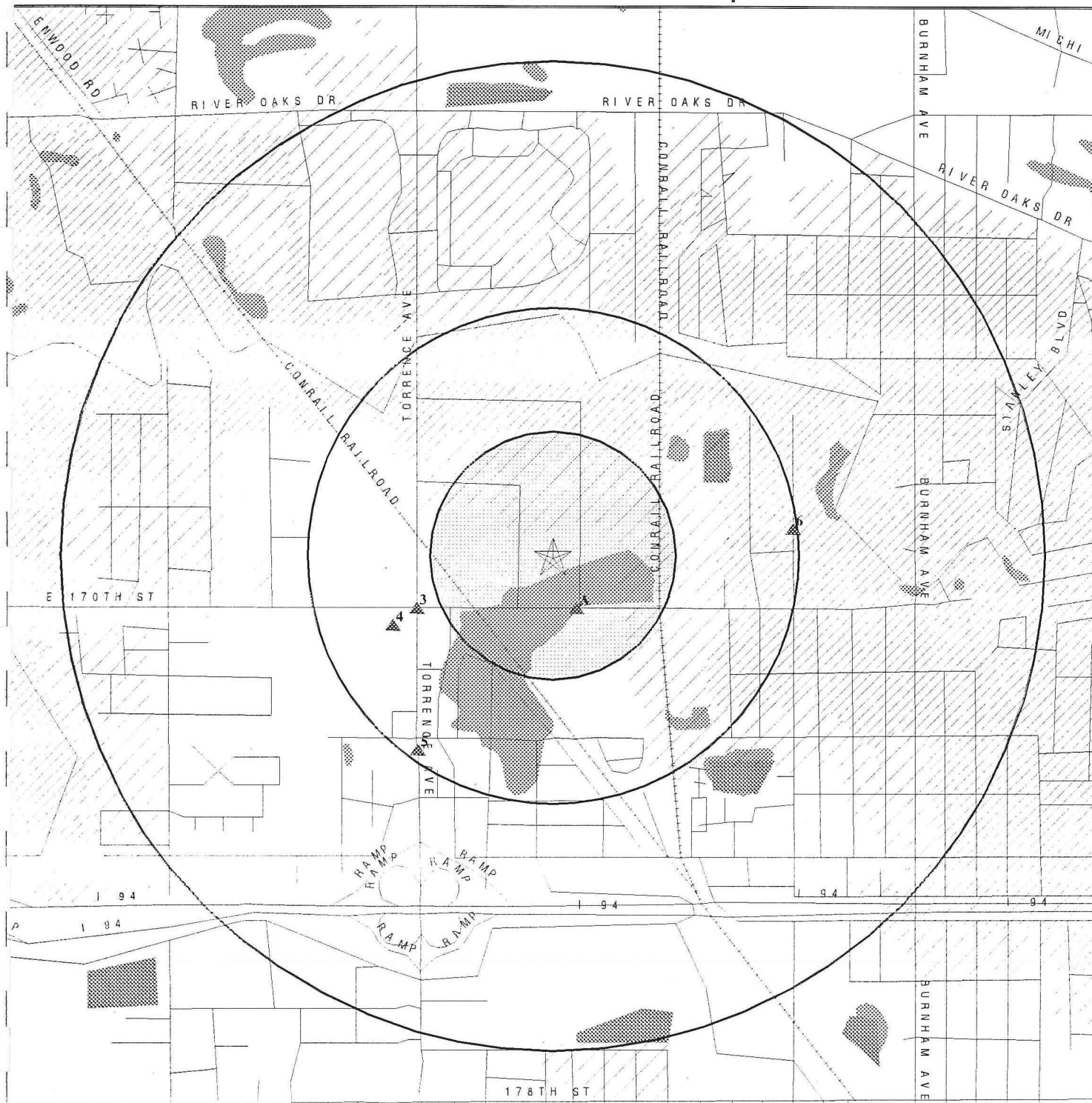
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>RIVER PLACE SHOPPING CENTER</i>	<i>TWO RIVER PLACE</i>	<i>1/4 - 1/2 WSW</i>	<i>4</i>	<i>6</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
VENTURE STORES	LUST
JMB REALTY	LUST
HAWARDS CAB INC.	LUST
EQUILON ENTERPRISES	LUST
STEEL CITY NATIONAL BANK	LUST
LANSING PROD.	LUST
LANSING/SEXTON	UST
LANSING IL. PLANT 2700 EAST 170TH ST.	ERNS

OVERVIEW MAP - 660325.1s - URS Corporation



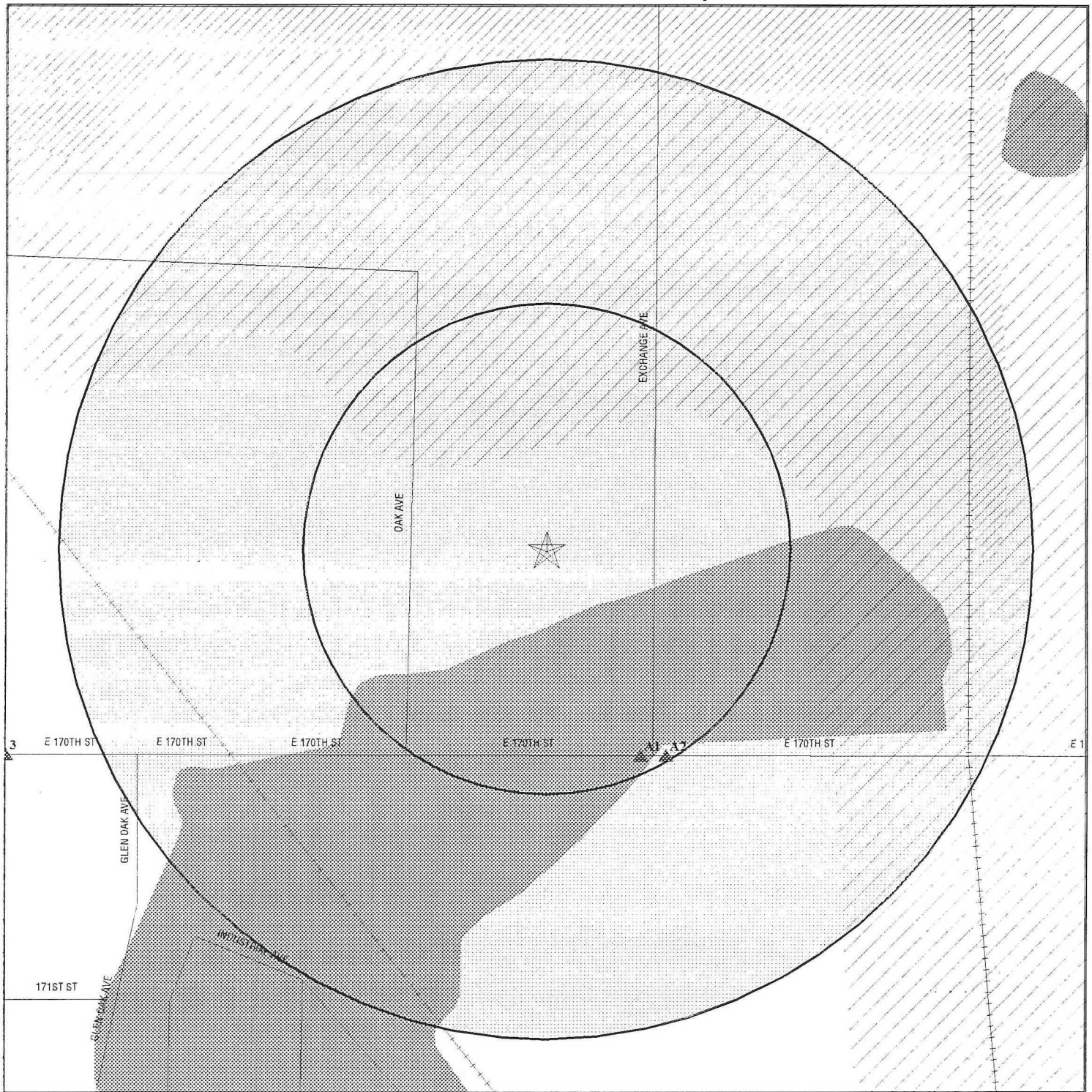
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- National Priority List Sites
- Landfill Sites

- ~ Power transmission lines
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Wetlands

TARGET PROPERTY: Village of Lansing
 ADDRESS: 170th Street/Exchange Drive
 CITY/STATE/ZIP: Lansing IL 60438
 LAT/LONG: 41.5880 / 87.5534

CUSTOMER: URS Corporation
 CONTACT: Ron Short
 INQUIRY #: 660325.1s
 DATE: July 24, 2001 6:49 pm

DETAIL MAP - 660325.1s - URS Corporation



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites

- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ Wetlands

TARGET PROPERTY: Village of Lansing
 ADDRESS: 170th Street/Exchange Drive
 CITY/STATE/ZIP: Lansing IL 60438
 LAT/LONG: 41.5880 / 87.5534

CUSTOMER: URS Corporation
 CONTACT: Ron Short
 INQUIRY #: 660325.1s
 DATE: July 24, 2001 6:49 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	1	0	NR	NR	NR	1
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	1	0	NR	NR	NR	1
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	3	NR	NR	3
UST		0.250	1	0	NR	NR	NR	1
CAT		1.000	0	0	1	0	NR	1
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
IL NIPC		0.500	0	0	0	NR	NR	0
SRP		1.000	0	0	1	0	NR	1
<u>EDR PROPRIETARY DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0
AQUIFLOW - see EDR Physical Setting Source Addendum								

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1
SSE
< 1/8
612
Higher

MORTON INTERNATIONAL INC
2700 170TH ST
LANSING, IL 60438
Site 1 of 2 in cluster A

FINDS 1000416988
RCRIS-LQG ILD005229448
TRIS
TSCA
CERC-NFRAP

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported

Ownership Status: Other

Federal Facility: Not a Federal Facility

NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY

Completed: 19830101

Assessment: PRELIMINARY ASSESSMENT

Completed: 19840101

Assessment: HRS PACKAGE

Completed: 19850612

Assessment: SITE INSPECTION

Completed: 19870610

RCRIS:

Owner: MORTON THIOKOL INC
(312) 555-1212

Contact: TOM MANTEL
(312) 474-7000

Record Date: 08/13/1980

Classification: Large Quantity Generator, Hazardous Waste Transporter

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1997

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	3743011.72	D005	7500.26
D007	9948.76	D009	1980.07
D035	3742803.72	D038	208.01
F003	3650782.59	F005	3650990.59

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AIRS Facility System (AIRS/AFS)

BRS

Enforcement Docket System (DOCKET)

National Compliance Database (NCDB)

Permit Compliance System (PCS)

RCRIS

TRIS

A2
SSE
< 1/8
644
Higher

NEW LANSING POLICE FACILITY
2710 E 170TH ST
LANSING, IL 60438

UST U003298484
N/A

Site 2 of 2 in cluster A

UST:

Facility ID: 2036117

Status: Active

Owner Name: Village Of Lansing

Owner Address: 18200 Chicago Ave
Lansing, IL 60438

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NEW LANSING POLICE FACILITY (Continued)

U003298484

Contact: Costello Tom
Phone #: (708) 895-7128
Permit Number: Not reported
Permit Expires: Not reported
Green Tag: 18520
Admin Order: No
Fee Owed: No
Sequence: 1
Tank Number: 1
Tank Capacity: 10000
Tank Age: 10
Tank Red Tag: No
Tank Test Date: Not reported
Tank Test Type: Not reported
Tank Test Result: Not reported
Tank Substance: Gasoline

3
WSW
1/4-1/2
1561
Higher

B&K EQUIPMENT
170TH / TORRENCE AVE.
LANSING, IL 60438

LUST S103689470
N/A

LUST:

Incident Num : 892678
IL EPA Id : 0311593007
IEMA Date : 12/19/1989
Attn : Rollie Gruber
PRP Name : B&K Equipment
PRP Address : 1924 177th St.
Lansing, IL 60438
PRP Phone : Not reported
Non LUST Determination Letter : / /
Section 57.59(g) Letter : / /
NFA/NFR Letter : / /
Site Classification : Not reported
Project Manager : Project Manager not yet assigned.
Product Type: Diesel Fuel
General Date: 12/29/1989
General Desc: Notice of Release Letter sent
Site Name: B&K Equipment
General Date: 01/10/1990
General Desc: Response Letter received
Site Name: B&K Equipment
NFR/NFA Date: Not reported
Taco Desc: Not reported
Site Name: Not reported
Document Desc: Not reported
Document Received: Not reported
Response Type: Not reported
Response Mailed: Not reported
Site Name: Not reported

4
WSW
1/4-1/2
1869
Higher

RIVER PLACE SHOPPING CENTER
TWO RIVER PLACE
LANSING, IL

CAT S101467481
SRP N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RIVER PLACE SHOPPING CENTER (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101467481

CAT:

Facility ID: 0311590022
Facility Type: SITE REMEDIATION PROGRAM

SRP:

Lat/Long : 41.58550 / -87.56084
IL EPA Id : 0311590022
US EPA Id : Not reported
Remediation Applicant Co : River Place Partners
Remediation Applicant Title : Mr.
Contact First Name: Steven
Contact Last Name : Kotel
Contact Address : One River Place
Contact Address: One River Place
South Holland, IL, 60473
Contact Phone : (708) 474-6404
Date Enrolled : 06/22/1992
Consultant Company : America's Water Resource Consultants
Point Of Contact : Mark Williams
Consultant Address: 35W257 Pearson Lane
St. Charles, IL, 60174
Consultant Phone : Not reported
Proj Mgr Assigned : Smith
Sec. 4 Letter Date : 06/04/1998
No Further Remediation Letter Dt : / /
NFR Recorded : / /
Active : False
Site Type : Not reported
Total Acres : 0.25000

5
SW
1/4-1/2
2522
Higher

J.J. WRIGHT MOTOR CO.
17220 TORRENCE AVE.
LANSING, IL 60438

LUST S103689476
N/A

LUST:

Incident Num : 980893
IL EPA Id : 0311595016
IEMA Date : 04/21/1998
Attn : Jack Wright
PRP Name : J.J. Wright Motor Co.
PRP Address : 2230 172nd St.
Lansing, IL 60438
PRP Phone : 7088958103
Non LUST Determination Letter : / /
Section 57.59(g) Letter : / /
NFA/NFR Letter : 11/13/1998
Site Classification : Not reported
Project Manager : Wallace
Product Type: Unleaded Gasoline
General Date: 04/29/1998
General Desc: Notice of Release Letter sent
Site Name: J.J. Wright Motor Co.
General Date: 07/16/1998
General Desc: 20 Day Report received
Site Name: J.J. Wright Motor Co.
General Date: 09/22/1998
General Desc: 45 Day Report received

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

J.J. WRIGHT MOTOR CO. (Continued)

S103689476

Site Name: J.J. Wright Motor Co.
General Date: 09/22/1998
General Desc: Professional Engineer Certification received
Site Name: J.J. Wright Motor Co.
General Date: 09/22/1998
General Desc: Early Action Extension Request received
Site Name: J.J. Wright Motor Co.
General Date: 10/19/1998
General Desc: Review Letter sent
Site Name: J.J. Wright Motor Co.
General Date: 10/26/1998
General Desc: Miscellaneous Correspondence received
Site Name: J.J. Wright Motor Co.
NFR/NFA Date: 11/13/1998
Taco Desc: Tier 1-Groundwater
Site Name: J.J. Wright Motor Co.
NFR/NFA Date: 11/13/1998
Taco Desc: Tier 1-Soil
Site Name: J.J. Wright Motor Co.
NFR/NFA Date: 11/13/1998
Taco Desc: Negative Easement
Site Name: J.J. Wright Motor Co.
Document Desc: Corrective Action Completion Report
Document Received: 09/22/1998
Response Type: Approved
Response Mailed: 10/23/1998
Site Name: J.J. Wright Motor Co.

Incident Num : 980895
IL EPA Id : 0311595016
IEMA Date : 04/21/1998
Attn : Jack Wright
PRP Name : J.J. Wright Motor Co.
PRP Address : 17220 Torrence Ave.
Lansing, IL 60438
PRP Phone : 7088958103
Non LUST Determination Letter : / /
Section 57.59(g) Letter : / /
NFA/NFR Letter : 11/13/1998
Site Classification : Not reported
Project Manager : Wallace
Product Type: Petroleum
General Date: 04/29/1998
General Desc: Notice of Release Letter sent
Site Name: J.J. Wright Motor Co.
General Date: 07/16/1998
General Desc: 20 Day Report received
Site Name: J.J. Wright Motor Co.
General Date: 09/22/1998
General Desc: 45 Day Report received
Site Name: J.J. Wright Motor Co.
General Date: 09/22/1998
General Desc: Professional Engineer Certification received
Site Name: J.J. Wright Motor Co.
General Date: 09/22/1998
General Desc: Early Action Extension Request received
Site Name: J.J. Wright Motor Co.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

J.J. WRIGHT MOTOR CO. (Continued)

S103689476

General Date: 10/19/1998
General Desc: Review Letter sent
Site Name: J.J. Wright Motor Co.
General Date: 10/26/1998
General Desc: Miscellaneous Correspondence received
Site Name: J.J. Wright Motor Co.
NFR/NFA Date: 11/13/1998
Taco Desc: Tier 1-Groundwater
Site Name: J.J. Wright Motor Co.
NFR/NFA Date: 11/13/1998
Taco Desc: Tier 1-Soil
Site Name: J.J. Wright Motor Co.
NFR/NFA Date: 11/13/1998
Taco Desc: No Groundwater Encountered
Site Name: J.J. Wright Motor Co.
Document Desc: Corrective Action Completion Report
Document Received: 09/22/1998
Response Type: Approved
Response Mailed: 10/23/1998
Site Name: J.J. Wright Motor Co.

6
East
1/4-1/2
2595
Higher

COMAR DRILLING CO. INC.
16875 CHICAGO AVE.
LANSING, IL 60438

LUST S100527648
N/A

LUST:

Incident Num : 922619
IL EPA Id : 0311595074
IEMA Date : 09/17/1992
Attn : David Stinnett
PRP Name : Comar Drilling Co. Inc.
PRP Address : 908 Bryan Trail
Nelox, IL 60451
PRP Phone : Not reported
Non LUST Determination Letter : / /
Section 57.59(g) Letter : / /
NFA/NFR Letter : 06/11/1993
Site Classification : Not reported
Project Manager : Project Manager no longer with LUST Program.
Product Type: Unleaded Gasoline
General Date: 02/29/1992
General Desc: 20 Day Report received
Site Name: Comar Drilling Co. Inc.
General Date: 09/30/1992
General Desc: Notice of Release Letter sent
Site Name: Comar Drilling Co. Inc.
General Date: 03/29/1993
General Desc: 45 Day Report received
Site Name: Comar Drilling Co. Inc.
General Date: 03/29/1993
General Desc: Professional Engineer Certification received
Site Name: Comar Drilling Co. Inc.
NFR/NFA Date: Not reported
Taco Desc: Not reported
Site Name: Not reported
Document Desc: Not reported
Document Received: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMAR DRILLING CO. INC. (Continued)

S100527648

Response Type:	Not reported
Response Mailed:	Not reported
Site Name:	Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
CALUMET CITY	S103687327	VENTURE STORES	500 RIVER OAKS WEST	60409	LUST	2021738
CALUMET CITY	S104524931	JMB REALTY	96 RIVER OAKS CTR.	60409	LUST	
CALUMET CITY	S104524883	HAWARDS CAB INC.	100 SOUTH STATE ST.	60409	LUST	
CALUMET CITY	S104529114	EQUILON ENTERPRISES	470 SOUTH TORRENCE	60409	LUST	
LANSING	U001134061	LANSING/SEXTON	170TH ST 1/2 MI E OF TORRENCE	60438	UST	
LANSING	8719188	LANSING IL. PLANT 2700 EAST 170TH ST.	LANSING IL. PLANT 2700 EAST 170TH ST.		ERNS	
LANSING	S103292788	STEEL CITY NATIONAL BANK	EAST OF 2145 EAST 170TH ST.	60438	LUST	
LANSING	S104526477	LANSING PROD.	18417 WINTWORTH	60438	LUST	

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D005	BARIUM
D007	CHROMIUM
D009	MERCURY
D035	METHYL ETHYL KETONE
D038	PYRIDINE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 01/23/01

Date Made Active at EDR: 02/16/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/05/01

Elapsed ASTM days: 11

Date of Last EDR Contact: 05/07/01

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 01/23/01

Date Made Active at EDR: 02/16/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/05/01

Elapsed ASTM days: 11

Date of Last EDR Contact: 05/07/01

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/16/01

Date Made Active at EDR: 04/30/01

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/26/01

Elapsed ASTM days: 35

Date of Last EDR Contact: 06/25/01

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 03/16/01

Date Made Active at EDR: 04/30/01

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/26/01

Elapsed ASTM days: 35

Date of Last EDR Contact: 06/25/01

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/20/00
Date Made Active at EDR: 08/01/00
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/12/00
Elapsed ASTM days: 50
Date of Last EDR Contact: 06/12/01

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 06/21/00
Date Made Active at EDR: 07/31/00
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/10/00
Elapsed ASTM days: 21
Date of Last EDR Contact: 05/29/01

ERNS: Emergency Response Notification System

Source: EPA/NTIS
Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/08/00
Date Made Active at EDR: 09/06/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 04/19/01

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/97
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/18/01
Date of Next Scheduled EDR Contact: 09/17/01

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: NTIS
Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/30/99
Database Release Frequency: Annually

Date of Last EDR Contact: 07/10/01
Date of Next Scheduled EDR Contact: 10/08/01

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/23/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/07/01
Date of Next Scheduled EDR Contact: 08/06/01

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/07/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/09/01
Date of Next Scheduled EDR Contact: 10/08/01

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 11/30/00
Database Release Frequency: Annually

Date of Last EDR Contact: 04/24/01
Date of Next Scheduled EDR Contact: 07/23/01

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/30/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/09/01
Date of Next Scheduled EDR Contact: 10/08/01

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 08/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/02/01
Date of Next Scheduled EDR Contact: 10/01/01

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/01
Date of Next Scheduled EDR Contact: 08/20/01

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-260-3936

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/11/00
Database Release Frequency: Annually

Date of Last EDR Contact: 05/18/01
Date of Next Scheduled EDR Contact: 08/13/01

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/01

Date of Next Scheduled EDR Contact: 09/10/01

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/98

Database Release Frequency: Annually

Date of Last EDR Contact: 06/27/01

Date of Next Scheduled EDR Contact: 09/24/01

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 04/24/01

Date of Next Scheduled EDR Contact: 07/23/01

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/26/01

Date of Next Scheduled EDR Contact: 09/24/01

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 08/10/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/26/01

Date of Next Scheduled EDR Contact: 09/24/01

STATE OF ILLINOIS ASTM STANDARD RECORDS

SHWS: State Oversight List

Source: Illinois Environmental Protection Agency

Telephone: 217-524-4863

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/00
Date Made Active at EDR: 08/08/00
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/05/00
Elapsed ASTM days: 34
Date of Last EDR Contact: 05/30/01

SWF/LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge

Source: Illinois Environmental Protection Agency
Telephone: 217-785-8604

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/01/00
Date Made Active at EDR: 04/30/01
Database Release Frequency: Annually

Date of Data Arrival at EDR: 03/28/01
Elapsed ASTM days: 33
Date of Last EDR Contact: 05/29/01

LUST: Leaking Underground Storage Tank Sites

Source: Illinois Environmental Protection Agency
Telephone: 217-782-6760

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/26/01
Date Made Active at EDR: 06/28/01
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/29/01
Elapsed ASTM days: 30
Date of Last EDR Contact: 05/29/01

UST: Underground Storage Tank Facility List

Source: Illinois State Fire Marshal
Telephone: 217-785-0969

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/06/01
Date Made Active at EDR: 07/19/01
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/18/01
Elapsed ASTM days: 31
Date of Last EDR Contact: 05/29/01

CAT: Category List

Source: Illinois EPA
Telephone: N/A

Sites on this list are: Notice of Response Action, NPL, Pre/proposed NPL, Completed Remedial Action, Site Remediation Program, Federal Facilities, and Cleanup Started and/or Completed Sites.

Date of Government Version: 06/01/97
Date Made Active at EDR: 08/14/97
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/07/97
Elapsed ASTM days: 38
Date of Last EDR Contact: 02/26/01

STATE OF ILLINOIS ASTM SUPPLEMENTAL RECORDS

IL NIPC: Solid Waste Landfill Inventory

Source: Northeastern Illinois Planning Commission
Telephone: 312-454-0400

Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/88
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/97
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SRP: Site Remediation Program Database

Source: Illinois Environmental Protection Agency

Telephone: 217-785-9407

The database identifies the status of all voluntary remediation projects administered through the pre-notice site cleanup program (1989 to 1995) and the site remediation program (1996 to the present).

Date of Government Version: 05/18/01

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/22/01

Date of Next Scheduled EDR Contact: 08/20/01

EDR PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

HISTORICAL AND OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

VILLAGE OF LANSING
170TH STREET/EXCHANGE DRIVE
LANSING, IL 60438

TARGET PROPERTY COORDINATES

Latitude (North):	41.588001 - 41° 35' 16.8"
Longitude (West):	87.553398 - 87° 33' 12.2"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	453872.9
UTM Y (Meters):	4603969.0

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2441087-E5 CALUMET CITY, IL IN
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General North

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
COOK, IL

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 1701160005D / CBPP

Additional Panels in search area:
1700720003D / CBPP
1700720004D / CBPP
1700540230B / CBPP
1701630004C / CBPP
1700540225B / CBPP

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
CALUMET CITY

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Site-Specific Hydrogeological Data*:

Search Radius: 2.0 miles
Location Relative to TP: 1 - 2 Miles SE
Site Name: Cto & Kingery Dev Corp
Site EPA ID Number: ILD980677694
Groundwater Flow Direction: East
Inferred Depth to Water: 2 feet.
Hydraulic Connection: Information is not available about the hydraulic connection between aquifers underlying the site, but clays and silts overlie the Silurian Dolomite bedrock aquifer. The depth to bedrock is 85 feet.
Sole Source Aquifer: A sole source aquifer is present at or near the site
Data Quality: Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 2.000 Miles.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
7	1/2 - 1 Mile SSW	Not Reported
8	1/2 - 1 Mile WNW	SSE
13	1/2 - 1 Mile SSE	Not Reported
19	1/2 - 1 Mile NNW	NE
25	1 - 2 Miles SSW	Not Reported
26	1 - 2 Miles NNE	Not Reported
27	1 - 2 Miles West	SW

For additional site information, refer to Physical Setting Source Map Findings.

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

GEOLOGIC AGE IDENTIFICATION

Geologic Code: S2
Era: Paleozoic
System: Silurian
Series: Middle Silurian (Niagaran)

ROCK STRATIGRAPHIC UNIT

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: GILFORD

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Not reported

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60
2	14 inches	32 inches	sandy loam	A-2-4	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60
3	32 inches	48 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COURSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 6.10
4	48 inches	60 inches	sand	A-1-B	COURSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 6.60

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy fine sand
loamy sand
loam
fine sand
sand
silt loam

Surficial Soil Types: loamy fine sand
loamy sand
loam
fine sand
sand
silt loam

Shallow Soil Types: sand
fine sand
fine sandy loam

Deeper Soil Types: stratified
loamy sand
fine sand
very fine sand
silty clay loam
gravelly - coarse sand

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
---------------	----------------	-----------------------------

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

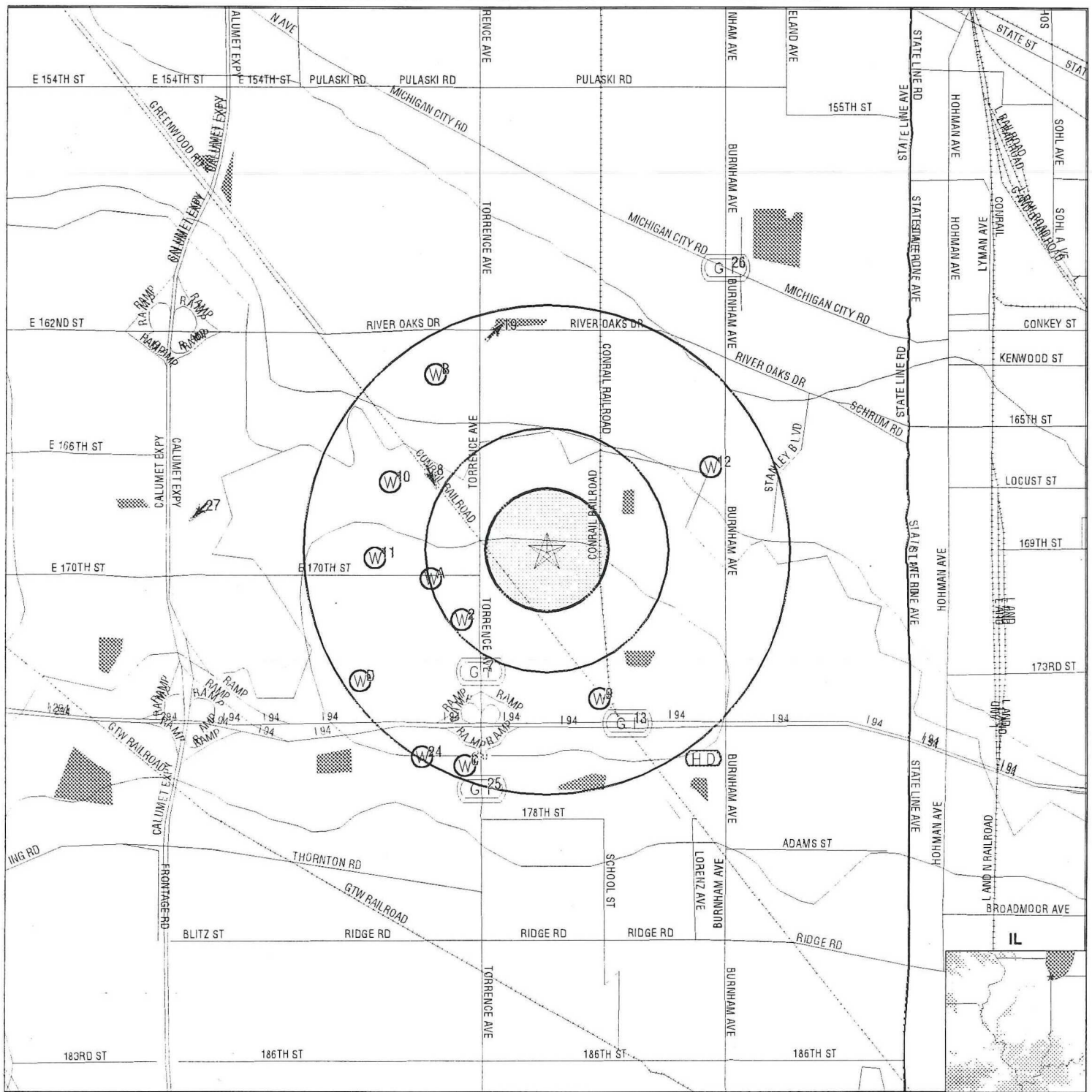
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	P2919	1/4 - 1/2 Mile WSW
2	GIL00020937	1/4 - 1/2 Mile SW
A3	GIL00020393	1/4 - 1/2 Mile West
A4	GIL00020936	1/4 - 1/2 Mile West
A5	P2920	1/2 - 1 Mile WSW
A6	GIL00020942	1/2 - 1 Mile WSW
9	P3091	1/2 - 1 Mile SSE
10	GIL00022033	1/2 - 1 Mile WNW
11	GIL00019922	1/2 - 1 Mile West
12	GIL00020967	1/2 - 1 Mile ENE
B14	GIL00027338	1/2 - 1 Mile NNW
B15	GIL00027340	1/2 - 1 Mile NNW
B16	GIL00027339	1/2 - 1 Mile NNW
C17	GIL00020941	1/2 - 1 Mile SSW
D18	GIL00019923	1/2 - 1 Mile SW
C20	GIL00020939	1/2 - 1 Mile SSW
C21	GIL00022034	1/2 - 1 Mile SSW
C22	GIL00022138	1/2 - 1 Mile SSW
D23	GIL00019752	1/2 - 1 Mile WSW
24	GIL00019750	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 660325.1s



- Major Roads
- Contour Lines
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons

- Earthquake epicenter, Richter 5 or greater
- Closest Hydrogeological Data

TARGET PROPERTY: Village of Lansing
 ADDRESS: 170th Street/Exchange Drive
 CITY/STATE/ZIP: Lansing IL 60438
 LAT/LONG: 41.5880 / 87.5534

CUSTOMER: URS Corporation
 CONTACT: Ron Short
 INQUIRY #: 660325.1s
 DATE: July 24, 2001 6:50 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
WSW
1/4 - 1/2 Mile
Higher

IL WELLS P2919

Well ID:	028928	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	PETER SKOUGH		
Permit:	M005520	Date Drilled:	08/08/1968
Depth (in feet):	130	Aquifer Type:	Bedrock
County Code:	031	County:	COOK
Township:	36N	Range:	14E
Section:	24	Plot Location:	1A
Well Use:	Domestic	Well Type:	ASSUMED DRILLED
Record Type:	Construction Report,Geology		
Driller:	STINNETT		

2
SW
1/4 - 1/2 Mile
Higher

IL WELLS GIL00020937

Info Source:	IL Geological Survey		
API ID:	120310205200	Group Number:	31
Well Type:	Water Well	Boring:	0
X Coord:	3528265	Y Coord:	3118374

A3
West
1/4 - 1/2 Mile
Higher

IL WELLS GIL00020393

Info Source:	IL Geological Survey		
API ID:	120310140400	Group Number:	31
Well Type:	Water Well	Boring:	0
X Coord:	3527684	Y Coord:	3119690

A4
West
1/4 - 1/2 Mile
Higher

IL WELLS GIL00020936

Info Source:	IL Geological Survey		
API ID:	120310205100	Group Number:	31
Well Type:	Water Well	Boring:	0
X Coord:	3527605	Y Coord:	3119444

A5
WSW
1/2 - 1 Mile
Higher

IL WELLS P2920

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	028929	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	PAL'S REALTY		
Permit:	M014474	Date Drilled:	09/29/1971
Depth (in feet):	100	Aquifer Type:	Bedrock
County Code:	031	County:	COOK
Township:	36N	Range:	14E
Section:	24	Plot Location:	2A
Well Use:	Domestic	Well Type:	ASSUMED DRILLED
Record Type:	Construction Report, Geology		
Driller:	K & K		

A6
WSW
1/2 - 1 Mile
Higher

IL WELLS **GIL00020942**

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120310205700	Boring:	0
Well Type:	Water Well	Y Coord:	3118696
X Coord:	3527380		

7
SSW
1/2 - 1 Mile
Higher

Site ID:	S100334402
Groundwater Flow:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	4.28
Shallow Water Depth:	Not Reported
Current Deep Depth:	93.53
Current Average Depth:	Not Reported
Current Shallow Depth:	92.57
Date:	03/15/1993

AQUIFLOW **62476**

8
WNW
1/2 - 1 Mile
Higher

Site ID:	S100527422
Groundwater Flow:	SSE
Deep Water Depth:	Not Reported
Average Water Depth:	13.25
Shallow Water Depth:	Not Reported
Current Deep Depth:	Not Reported
Current Average Depth:	13.25
Current Shallow Depth:	Not Reported
Date:	06/14/1993

AQUIFLOW **62687**

9
SSE
1/2 - 1 Mile
Higher

IL WELLS **P3091**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well ID:	027990	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	L W BAKER		
Permit:	Not Reported	Date Drilled:	00/00/1900
Depth (in feet):	400	Aquifer Type:	Bedrock
County Code:	031	County:	COOK
Township:	36N	Range:	15E
Section:	30	Plot Location:	Not Reported
Well Use:	Domestic	Well Type:	ASSUMED DRILLED
Record Type:	Geology,Chemical Analysis,Any other type of record		
Driller:	Not Reported		

10
WNW
1/2 - 1 Mile
Higher

IL WELLS GIL00022033

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120310399200	Boring:	0
Well Type:	Water Well	Y Coord:	3121310
X Coord:	3526648		

11
West
1/2 - 1 Mile
Higher

IL WELLS GIL00019922

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120310091500	Boring:	0
Well Type:	Water Well	Y Coord:	3119660
X Coord:	3526359		

12
ENE
1/2 - 1 Mile
Higher

IL WELLS GIL00020967

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120310208500	Boring:	0
Well Type:	Water Well	Y Coord:	3121784
X Coord:	3533579		

13
SSE
1/2 - 1 Mile
Higher

Site ID:	S100527645
Groundwater Flow:	Not Reported
Deep Water Depth:	6.39
Average Water Depth:	Not Reported
Shallow Water Depth:	2.80
Current Deep Depth:	7.49
Current Average Depth:	Not Reported
Current Shallow Depth:	3.41
Date:	3/6/1996

AQUIFLOW 25677

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B14
NNW
1/2 - 1 Mile
Higher

IL WELLS GIL00027338

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120313115800	Boring:	0
Well Type:	Water Well	Y Coord:	3123637
X Coord:	3527575		

B15
NNW
1/2 - 1 Mile
Higher

IL WELLS GIL00027340

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120313116000	Boring:	0
Well Type:	Water Well	Y Coord:	3123637
X Coord:	3527575		

B16
NNW
1/2 - 1 Mile
Higher

IL WELLS GIL00027339

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120313115900	Boring:	0
Well Type:	Water Well	Y Coord:	3123637
X Coord:	3527575		

C17
SSW
1/2 - 1 Mile
Higher

IL WELLS GIL00020941

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120310205600	Boring:	0
Well Type:	Water Well	Y Coord:	3115606
X Coord:	3528629		

D18
SW
1/2 - 1 Mile
Higher

IL WELLS GIL00019923

Info Source:	IL Geological Survey	Group Number:	31
API ID:	120310091600	Boring:	0
Well Type:	Water Well	Y Coord:	3117028
X Coord:	3526430		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

19
NNW
1/2 - 1 Mile
Higher

Site ID: S100527419
Groundwater Flow: NE
Deep Water Depth: 5.39
Average Water Depth: Not Reported
Shallow Water Depth: 3.40
Current Deep Depth: 5.21
Current Average Depth: Not Reported
Current Shallow Depth: 4.41
Date: 11/9/1987

AQUIFLOW 25658

C20
SSW
1/2 - 1 Mile
Higher

IL WELLS GIL00020939

Info Source: IL Geological Survey
API ID: 120310205400
Well Type: Water Well
X Coord: 3528358
Group Number: 31
Boring: 0
Y Coord: 3115120

C21
SSW
1/2 - 1 Mile
Higher

IL WELLS GIL00022034

Info Source: IL Geological Survey
API ID: 120310399300
Well Type: Water Well
X Coord: 3528358
Group Number: 31
Boring: 0
Y Coord: 3115120

C22
SSW
1/2 - 1 Mile
Higher

IL WELLS GIL00022138

Info Source: IL Geological Survey
API ID: 120310411200
Well Type: Water Well
X Coord: 3528258
Group Number: 31
Boring: 0
Y Coord: 3115117

D23
WSW
1/2 - 1 Mile
Higher

IL WELLS GIL00019752

Info Source: IL Geological Survey
API ID: 120310072100
Well Type: Water Well
X Coord: 3525767
Group Number: 31
Boring: 0
Y Coord: 3117011

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

24
SSW
1/2 - 1 Mile
Higher

IL WELLS GIL00019750

Info Source: IL Geological Survey
API ID: 120310071900
Well Type: Water Well
X Coord: 3527470
Group Number: 31
Boring: 0
Y Coord: 3115410

25
SSW
1 - 2 Miles
Higher

Site ID: S100054453
Groundwater Flow: Not Reported
Deep Water Depth: 12
Average Water Depth: Not Reported
Shallow Water Depth: 5
Current Deep Depth: Not Reported
Current Average Depth: Not Reported
Current Shallow Depth: Not Reported
Date: 05/26/1992

AQUIFLOW 62332

26
NNE
1 - 2 Miles
Higher

Site ID: S100527418
Groundwater Flow: Not Reported
Deep Water Depth: 9.09
Average Water Depth: Not Reported
Shallow Water Depth: 6.78
Current Deep Depth: 9.42
Current Average Depth: Not Reported
Current Shallow Depth: 6.84
Date: 03/11/1994

AQUIFLOW 61934

27
West
1 - 2 Miles
Higher

Site ID: S102620682
Groundwater Flow: SW
Deep Water Depth: 9
Average Water Depth: Not Reported
Shallow Water Depth: 7
Current Deep Depth: 9
Current Average Depth: Not Reported
Current Shallow Depth: 7
Date: 09/05/1996

AQUIFLOW 62924

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for COOK County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Zip Code: 60438

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

County Well Data in Illinois: Cook and DuPage Counties

Source: Illinois State Geological Survey

Telephone: 217-244-2387

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)

Source: Illinois State Water Survey

Telephone: 217-333-9043

Illinois State Geological Survey Water Wells

Source: Illinois State Geological Survey

Telephone: 217-333-5102

Point data set that shows locations, well type, and well ID for wells in Illinois. Data comes from driller's logs.

RADON

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Ron Short

URS Corporation

122 S. Michigan Avenue

Chicago, IL 60603

Order Date: 7/24/2001

Completion Date: 07/25/2001

Inquiry #: 660325.2S

P.O. #: 22-00000172.00

Site Name: Village of Lansing

Address: 170th Street/Exchange Drive

City/State: Lansing, IL 60438

2441179LIZ

312-939-1000

Cross Streets:

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

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EDR Site Report™

**LANSING/SEXTON
170TH ST 1/2 MI E OF TORRENCE
LANSING, IL 60438**

Inquiry Number:

August 15, 2001

***The Source*
For Environmental
Risk Management
Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information. Page 5

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 LANSING/SEXTON 170TH ST 1/2 MI E OF TORRENCE LANSING, IL 60438 EDR ID #U001134061
WASTE MANAGEMENT Facility generates hazardous waste (RCRIS)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	YES - p4
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility manages registered underground storage tanks

DATABASE: Petroleum Storage Tank Database (UST)

LANSING/SEXTON
170TH ST 1/2 MI E OF TORRENCE
LANSING, IL 60438
EDR ID #U001134061

UST:

Facility ID: 2021738
Status: Closed
Owner Name: John Sexton Contractors Co
Owner Address: 1815 S Wolf Rd
Hillside, IL 60162
Contact: Jackson William
Phone #: (708) 474-2251
Permit Number: Not reported
Permit Expires: Not reported
Green Tag: N
Admin Order: No
Fee Owed: No
Sequence: 1
Tank Number: 1
Tank Capacity: 10000
Tank Age: 24
Tank Red Tag: No
Tank Test Date: Not reported
Tank Test Type: Not reported
Tank Test Result: Not reported
Tank Substance: Diesel

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement for databases included in ASTM E1527-97.

WASTE MANAGEMENT

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 06/21/2000

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/02/2001

Date of Next Scheduled Update: 10/15/2001

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/1997

Database Release Frequency: Biennially

Date of Last EDR Contact: 06/18/2001

Date of Next Scheduled Update: 09/17/2001

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/2001

Date of Next Scheduled Update: 09/10/2001

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/27/2001

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/12/2001

Date of Next Scheduled Update: 09/10/2001

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/30/2001

Database Release Frequency: Annually

Date of Last EDR Contact: 05/18/2001

Date of Next Scheduled Update: 08/13/2001

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/30/2001

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/2001

Date of Next Scheduled Update: 10/08/2001

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

IL UST: Underground Storage Tank Facility List

Source: Illinois State Fire Marshal

Telephone: 217-785-0969

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/06/2001

Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/29/2001

Date of Next Scheduled Update: 08/27/2001

IL LUST: Leaking Underground Storage Tank Sites

Source: Illinois Environmental Protection Agency

Telephone: 217-782-6760

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/26/2001

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/29/2001

Date of Next Scheduled Update: 08/27/2001

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/08/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/10/2001

Date of Next Scheduled Update: 10/29/2001

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2000

Database Release Frequency: Annually

Date of Last EDR Contact: 07/23/2001

Date of Next Scheduled Update: 10/22/2001

WASTE DISPOSAL

NPL: National Priority List

Source: EPA

Telephone: Not reported

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 04/17/2001

Date Made Active at EDR: 08/06/2001

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/09/2001

Elapsed ASTM Days: 89

Date of Last EDR Contact: 08/06/2001

PROPOSED NPL: Proposed National Priority List Sites

Source: EPA

Telephone: Not reported

Date of Government Version: 04/17/2001

Date Made Active at EDR: 08/06/2001

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/09/2001

Elapsed ASTM Days: 89

Date of Last EDR Contact: 08/06/2001

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: Not reported

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/17/2001

Date Made Active at EDR: 08/06/2001

Database Release Frequency: N/A

Date of Data Arrival at EDR: 05/09/2001

Elapsed ASTM Days: 89

Date of Last EDR Contact: 08/06/2001

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/16/2001

Date Made Active at EDR: 04/30/2001

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/26/2001

Elapsed ASTM Days: 35

Date of Last EDR Contact: 06/25/2001

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 03/16/2001

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/25/2001

Date of Next Scheduled Update: 09/24/2001

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991

Date Made Active at EDR: 03/30/1994

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/02/1994

Elapsed ASTM Days: 56

Date of Last EDR Contact: 05/23/2001

IL SHWS: State Oversight List

Source: Illinois Environmental Protection Agency

Telephone: 217-524-4863

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 06/01/2001

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/30/2001

Date of Next Scheduled Update: 08/27/2001

IL SWF/LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge

Source: Illinois Environmental Protection Agency

Telephone: 217-785-8604

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/01/2000

Database Release Frequency: Annually

Date of Last EDR Contact: 05/29/2001

Date of Next Scheduled Update: 08/27/2001

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/1998

Database Release Frequency: Annually

Date of Last EDR Contact: 06/27/2001

Date of Next Scheduled Update: 09/24/2001

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/1998

Database Release Frequency: Annually

Date of Last EDR Contact: 07/09/2001

Date of Next Scheduled Update: 09/10/2001

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/26/2001

Date of Next Scheduled Update: 09/24/2001

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 08/10/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/26/2001

Date of Next Scheduled Update: 09/24/2001

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: Not reported

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/07/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/09/2001

Date of Next Scheduled Update: 10/08/2001

IL NIPC: Solid Waste Landfill Inventory

Source: Northeastern Illinois Planning Commission

Telephone: 312-454-0400

Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/1988

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/1997

Date of Next Scheduled Update:

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. (C) Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties

Source: EPA

Telephone: 202-564-6064

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/23/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/10/2001

Date of Next Scheduled Update: 10/08/2001



EDR Site Report™

MORTON INTERNATIONAL INC
2700 170TH ST
LANSING, IL 60438

Inquiry Number:

August 15, 2001

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information. Page 16

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 MORTON INTERNATIONAL INC 2700 170TH ST LANSING, IL 60438 EDR ID #1000416988 EPA #ILD005229448
AREA	
WASTE MANAGEMENT Facility generates hazardous waste (RCRIS)	YES - p4
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	YES - p6 (NFRAP)
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	YES - p7
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	YES - p13
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	YES - p14
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	5

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information System (RCRIS)

MORTON INTERNATIONAL INC
2700 170TH ST
LANSING, IL 60438
EDR ID #1000416988

Facility Name: MORTON INTERNATIONAL INC
2700 170TH ST
LANSING, IL 60438

Contact: TOM MANTEL, MGR ENVR
2700 E 170TH ST
LANSING, IL 60438
(312) 474-7000

EPA-ID: ILD005229448

Record Date: 08/13/1980

Classification: Large Quantity Generator, Hazardous Waste Transporter

Description: Handler:
- generates 1,000 kg or more of hazardous waste during any calendar month; or
- generates more than 1 kg of acutely hazardous waste during any calendar month; or
- generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or
- generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or
- generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time
Handler is engaged in the transportation of hazardous waste

Transports Via: Road

SIC Code(s): 2851, PAINTS AND ALLIED PRODUCTS

Legal Status: Private

Mailing Address: 2700 E 170TH ST
LANSING, IL 60438

Owner: MORTON THIOKOL INC
ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
(312) 555-1212

Operator: NAME NOT REPORTED
ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
(312) 555-1212

BIENNIAL REPORTS

Last Biennial Reporting Year: 1997

Annual Waste Handled:

Waste Code	Amount (Lbs)	Waste Code	Amount (Lbs)
D001	4176012.60	D007	10260.35
D008	10260.35	D035	4158819.00
F003	4019604.27	F005	4009343.92
U135	25.02		

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

WASTE MANAGEMENT

DATABASE: Resource Conservation and Recovery Information System (RCRIS)

MORTON INTERNATIONAL INC
2700 170TH ST
LANSING, IL 60438
EDR ID #1000416988

Violation Status: No violations found

COMPLIANCE AND ENFORCEMENT SUMMARY

Responsible Agency:

State

COMPLIANCE EVALUATION INSPECTION (CEI)

Evaluation Date: 06/13/1986

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

WASTE DISPOSAL

DATABASE: No Further Remedial Action Planned (CERCLIS/NFRAP)

MORTON INTERNATIONAL INC
2700 170TH ST
LANSING, IL 60438
EDR ID #1000416988

CERC-NFRAP Name: BEE CHEM CO
2700 170TH ST
LANSING, IL 60438
COOK County

Congressional Dist: Not reported

RCRA Facility: Not reported

IFMS ID: Not reported

SMSA Num: 1600

USGS Hydro Unit: 07120003

Federal Facility: Not a Federal Facility

NPL Update Num: Not Reported

Federal Register Date: Not Reported

Fed Haz Waste: No

Site Incident: Not reported

EPA-ID: ILD005229448

EPA Region: Region 5
77 West Jackson Blvd.
Chicago, IL 60604

Region IP Address: 204.46.177.40

Region URL: r5cerc01.r05tok.epa.gov

NPL Status: Not on the NPL

Ownership Status: Other

Classification: Not Reported

Site Description: Not Reported

ENFORCEMENT ACTIVITY

Action Type: DISCOVERY
Action Anomaly: Not reported
Planning Status: Not reported
Priority Level: Not reported
Operable Unit: SITEWIDE
Urgency: Not reported
Actual Start Date: Not reported
Actual Complete Date: 19830101
Primary Responsibility: Federal Enforcement

Action Type: PRELIMINARY ASSESSMENT
Action Anomaly: Not reported
Planning Status: Not reported
Priority Level: Low
Operable Unit: SITEWIDE
Urgency: Not reported
Actual Start Date: Not reported
Actual Complete Date: 19840101
Primary Responsibility: State, Fund Financed

Action Type: HRS PACKAGE
Action Anomaly: Not reported
Planning Status: Not reported
Priority Level: NFRAP (No Further Remedial Action Planned)
Operable Unit: SITEWIDE
Urgency: Not reported
Actual Start Date: Not reported
Actual Complete Date: 19850612
Primary Responsibility: EPA Fund-Financed

Action Type: SITE INSPECTION
Action Anomaly: Not reported
Planning Status: Not reported
Priority Level: NFRAP (No Further Remedial Action Planned)
Operable Unit: SITEWIDE
Urgency: Not reported
Actual Start Date: Not reported
Actual Complete Date: 19870610
Primary Responsibility: EPA Fund-Financed

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

MULTIMEDIA

Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313

DATABASE: Toxic Chemical Release Inventory System (TRIS)

MORTON INTERNATIONAL INC
2700 170TH ST
LANSING, IL 60438
EDR ID #1000416988

Mailing Name:	MORTON INTL. 130130	Reporting Year:	1998
Mailing Addr:	2701 E. 170TH ST. LANSING, IL 60438	EPA ID:	ILD005229448
TRIS ID:	60438-BCHMC-2700E	DUNS number:	036461556
Contact:	RODNEY K. SOHRBECK		
Contact Tel:	7084747000		
Title of certifying official:	V.P. OF OPERATIONS		
Certifying official:	RODNEY K. SOHRBECK		
DUNS number:	005229448		
Parent Name:	MORTON INTL. INC.		
Parent DUNS number:	Not reported		
SIC Code:	2851, PAINTS AND ALLIED PRODUCTS		
NPDES ID:	ILR003091	UIC ID:	Not reported
Reported Latitude:	+41.537500	Reported Longitude:	+087.537500
RCRA ID:	Not reported		

Chemical Summary (All amounts are in pounds)

Chemical name:	METHANOL	
CAS Number:	67561	
Indicates whether chemical is produced in facility:	NO	
Indicates whether chemical is imported:	NO	
Indicates whether chemical is for on-site use:	NO	
Max chem. qty code:	04	
Estimated qty of Fugitive air release pounds/yr:	740	
Estimated qty of stack air release in pounds/yr:	9040	
Total air emissions:	9780	
Affected stream name:	NA	Water stream release: Not reported
Percentage of total qty by weight of stream release:	0	
Affected stream name:	NA	Water stream release: 0
Percentage of total qty by weight of stream release:	0.00	
Total number of streams reported as receiving releases:	1	
Total amount of all stream release:	0	
Total qty injected underground onsite to Class I well:	NA	
Total qty injected underground onsite to Class II-V well underground injection:	NA	
Total underground well injection in pounds/year:	0	
Estimated qty released to RCRA subtitle C Landfills:	NA	
Non-RCRA Landfills Release:	NA	
Land treatment/farming releases:	NA	
Surface impoundments release:	NA	
Other disposal:	NA	Tot. onsite medium rel.: 0
Metals offsite transfers:	0	Tot. reprtd storage-only: 0
POTWS offsite transfers:	0	Underground injection: 0
Tot. qty reported as landfill/disposal surface impoundments:	0	
Tot. qty reported as land treatment:	0	
Other land disposal:	0	Other offsite mgmnt: 0
Waster broker transfers:	0	Tot. offsite transfers: 0
Tot. offsite transfers for further waste management:	0	

Chemical name:	METHYL ETHYL KETONE	
CAS Number:	78933	
Indicates whether chemical is produced in facility:	NO	
Indicates whether chemical is imported:	NO	
Indicates whether chemical is for on-site use:	NO	
Max chem. qty code:	05	
Estimated qty of Fugitive air release pounds/yr:	17600	
Estimated qty of stack air release in pounds/yr:	2700	
Total air emissions:	20300	
Affected stream name:	NA	Water stream release: Not reported
Percentage of total qty by weight of stream release:	0	
Affected stream name:	NA	Water stream release: 0
Percentage of total qty by weight of stream release:	0.00	
Total number of streams reported as receiving releases:	1	
Total amount of all stream release:	0	
Total qty injected underground onsite to Class I well:	NA	
Total qty injected underground onsite to Class II-V well underground injection:	NA	

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	NA
Non-RCRA Landfills Release:	NA
Land treatment/farming releases:	NA
Surface impoundments release:	NA
Other disposal: NA	Tot. onsite medium rel.: 0
Metals offsite transfers: 0	Tot. rep'd storage-only: 0
POTWS offsite transfers: 0	Underground injection: 0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal: 0	Other offsite mgmnt: 0
Waster broker transfers: 0	Tot. offsite transfers: 0
Tot. offsite transfers for further waste management:	0

Chemical name:	XYLENE (MIXED ISOMERS)
CAS Number:	1330207
Indicates whether chemical is produced in facility:	NO
Indicates whether chemical is imported:	NO
Indicates whether chemical is for on-site use:	NO
Max chem. qty code:	04
Estimated qty of Fugitive air release pounds/yr:	1400
Estimated qty of stack air release in pounds/yr:	500
Total air emissions:	1900
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0.00
Total number of streams reported as receiving releases:	1
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	NA
Total qty injected underground onsite to Class II-V well underground injection:	NA
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	NA
Non-RCRA Landfills Release:	NA
Land treatment/farming releases:	NA
Surface impoundments release:	NA
Other disposal: NA	Tot. onsite medium rel.: 0
Metals offsite transfers: 0	Tot. rep'd storage-only: 0
POTWS offsite transfers: 0	Underground injection: 0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal: 0	Other offsite mgmnt: 0
Waster broker transfers: 0	Tot. offsite transfers: 0
Tot. offsite transfers for further waste management:	0

Chemical name:	ETHYLBENZENE
CAS Number:	100414
Indicates whether chemical is produced in facility:	NO
Indicates whether chemical is imported:	NO
Indicates whether chemical is for on-site use:	NO
Max chem. qty code:	04
Estimated qty of Fugitive air release pounds/yr:	2060
Estimated qty of stack air release in pounds/yr:	730
Total air emissions:	2790
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0.00
Total number of streams reported as receiving releases:	1
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	NA
Total qty injected underground onsite to Class II-V well underground injection:	NA
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	NA
Non-RCRA Landfills Release:	NA
Land treatment/farming releases:	NA
Surface impoundments release:	NA
Other disposal: NA	Tot. onsite medium rel.: 0
Metals offsite transfers: 0	Tot. rep'd storage-only: 0
POTWS offsite transfers: 0	Underground injection: 0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal: 0	Other offsite mgmnt: 0
Waster broker transfers: 0	Tot. offsite transfers: 0
Tot. offsite transfers for further waste management:	2700

Chemical name:	TOLUENE
CAS Number:	108883
Indicates whether chemical is produced in facility:	NO
Indicates whether chemical is imported:	NO
Indicates whether chemical is for on-site use:	NO
Max chem. qty code:	04
Estimated qty of Fugitive air release pounds/yr:	3440

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Estimated qty of stack air release in pounds/yr:	1580
Total air emissions:	5020
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0.00
Total number of streams reported as receiving releases:	1
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	NA
Total qty injected underground onsite to Class II-V well underground injection:	NA
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	NA
Non-RCRA Landfills Release:	NA
Land treatment/farming releases:	NA
Surface impoundments release:	NA
Other disposal:	NA
Metals offsite transfers:	0
POTWS offsite transfers:	0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal:	0
Waster broker transfers:	0
Tot. offsite transfers for further waste management:	0

Chemical name:	CERTAIN GLYCOL ETHERS
CAS Number:	N230
Indicates whether chemical is produced in facility:	NO
Indicates whether chemical is imported:	NO
Indicates whether chemical is for on-site use:	NO
Max chem. qty code:	04
Estimated qty of Fugitive air release pounds/yr:	50
Estimated qty of stack air release in pounds/yr:	1800
Total air emissions:	1850
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0.00
Total number of streams reported as receiving releases:	1
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	NA
Total qty injected underground onsite to Class II-V well underground injection:	NA
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	NA
Non-RCRA Landfills Release:	NA
Land treatment/farming releases:	NA
Surface impoundments release:	NA
Other disposal:	NA
Metals offsite transfers:	0
POTWS offsite transfers:	0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal:	0
Waster broker transfers:	0
Tot. offsite transfers for further waste management:	0

Chemical name:	METHYL METHACRYLATE
CAS Number:	80626
Indicates whether chemical is produced in facility:	NO
Indicates whether chemical is imported:	NO
Indicates whether chemical is for on-site use:	NO
Max chem. qty code:	05
Estimated qty of Fugitive air release pounds/yr:	0
Estimated qty of stack air release in pounds/yr:	130
Total air emissions:	130
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0
Affected stream name:	NA
Percentage of total qty by weight of stream release:	0.00
Total number of streams reported as receiving releases:	1
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	NA
Total qty injected underground onsite to Class II-V well underground injection:	NA
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	NA
Non-RCRA Landfills Release:	NA
Land treatment/farming releases:	NA
Surface impoundments release:	NA
Other disposal:	NA
Metals offsite transfers:	0
POTWS offsite transfers:	0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Other land disposal:	0	Other offsite mgmnt:	0
Waster broker transfers:	0	Tot. offsite transfers:	0
Tot. offsite transfers for further waste management:	0		
Chemical name:	STYRENE		
CAS Number:	100425		
Indicates whether chemical is produced in facility:	NO		
Indicates whether chemical is imported:	NO		
Indicates whether chemical is for on-site use:	NO		
Max chem. qty code:	05		
Estimated qty of Fugitive air release pounds/yr:	0		
Estimated qty of stack air release in pounds/yr:	50		
Total air emissions:	50		
Affected stream name:	NA	Water stream release:	Not reported
Percentage of total qty by weight of stream release:	0		
Affected stream name:	NA	Water stream release:	0
Percentage of total qty by weight of stream release:	0.00		
Total number of streams reported as receiving releases:	1		
Total amount of all stream release:	0		
Total qty injected underground onsite to Class I well:	NA		
Total qty injected underground onsite to Class II-V well underground injection:	NA		
Total underground well injection in pounds/year:	0		
Estimated qty released to RCRA subtitle C Landfills:	NA		
Non-RCRA Landfills Release:	NA		
Land treatment/farming releases:	NA		
Surface impoundments release:	NA		
Other disposal:	NA	Tot. onsite medium rel.:	0
Metals offsite transfers:	0	Tot. reprtd storage-only:	0
POTWS offsite transfers:	0	Underground injection:	0
Tot. qty reported as landfill/disposal surface impoundments:	0		
Tot. qty reported as land treatment:	0		
Other land disposal:	0	Other offsite mgmnt:	0
Waster broker transfers:	0	Tot. offsite transfers:	0
Tot. offsite transfers for further waste management:	0		
Chemical name:	METHYL ISOBUTYL KETONE		
CAS Number:	108101		
Indicates whether chemical is produced in facility:	NO		
Indicates whether chemical is imported:	NO		
Indicates whether chemical is for on-site use:	NO		
Max chem. qty code:	03		
Estimated qty of Fugitive air release pounds/yr:	3500		
Estimated qty of stack air release in pounds/yr:	300		
Total air emissions:	3800		
Affected stream name:	NA	Water stream release:	Not reported
Percentage of total qty by weight of stream release:	0		
Affected stream name:	NA	Water stream release:	0
Percentage of total qty by weight of stream release:	0.00		
Total number of streams reported as receiving releases:	1		
Total amount of all stream release:	0		
Total qty injected underground onsite to Class I well:	NA		
Total qty injected underground onsite to Class II-V well underground injection:	NA		
Total underground well injection in pounds/year:	0		
Estimated qty released to RCRA subtitle C Landfills:	NA		
Non-RCRA Landfills Release:	NA		
Land treatment/farming releases:	NA		
Surface impoundments release:	NA		
Other disposal:	NA	Tot. onsite medium rel.:	0
Metals offsite transfers:	0	Tot. reprtd storage-only:	0
POTWS offsite transfers:	0	Underground injection:	0
Tot. qty reported as landfill/disposal surface impoundments:	0		
Tot. qty reported as land treatment:	0		
Other land disposal:	0	Other offsite mgmnt:	0
Waster broker transfers:	0	Tot. offsite transfers:	0
Tot. offsite transfers for further waste management:	0		
Chemical name:	ETHYL ACRYLATE		
CAS Number:	140885		
Indicates whether chemical is produced in facility:	Not reported		
Indicates whether chemical is imported:	Not reported		
Indicates whether chemical is for on-site use:	Not reported		
Max chem. qty code:	Not reported		
Estimated qty of Fugitive air release pounds/yr:	Not reported		
Estimated qty of stack air release in pounds/yr:	Not reported		
Total air emissions:	0		
Affected stream name:	Not reported	Water stream release:	Not reported
Percentage of total qty by weight of stream release:	Not reported		
Total number of streams reported as receiving releases:	0		
Total amount of all stream release:	0		
Total qty injected underground onsite to Class I well:	Not reported		
Total qty injected underground onsite to Class II-V well underground injection:	Not reported		
Total underground well injection in pounds/year:	0		

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Estimated qty released to RCRA subtitle C Landfills:	Not reported
Non-RCRA Landfills Release:	Not reported
Land treatment/farming releases:	Not reported
Surface impoundments release:	Not reported
Other disposal: Not reported	Tot. onsite medium rel.: 0
Metals offsite transfers: 0	Tot. reprtd storage-only: 0
POTWS offsite transfers: 0	Underground injection: 0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal: 0	Other offsite mgmnt: 0
Waster broker transfers: 0	Tot. offsite transfers: 0
Tot. offsite transfers for further waste management:	0
Chemical name: BUTYL ACRYLATE	
CAS Number: 141322	
Indicates whether chemical is produced in facility:	Not reported
Indicates whether chemical is imported:	Not reported
Indicates whether chemical is for on-site use:	Not reported
Max chem. qty code: Not reported	
Estimated qty of Fugitive air release pounds/yr:	Not reported
Estimated qty of stack air release in pounds/yr:	Not reported
Total air emissions: 0	
Affected stream name: Not reported	Water stream release: Not reported
Percentage of total qty by weight of stream release:	Not reported
Total number of streams reported as receiving releases:	0
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	Not reported
Total qty injected underground onsite to Class II-V well underground injection:	Not reported
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	Not reported
Non-RCRA Landfills Release:	Not reported
Land treatment/farming releases:	Not reported
Surface impoundments release:	Not reported
Other disposal: Not reported	Tot. onsite medium rel.: 0
Metals offsite transfers: 0	Tot. reprtd storage-only: 0
POTWS offsite transfers: 0	Underground injection: 0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal: 0	Other offsite mgmnt: 0
Waster broker transfers: 0	Tot. offsite transfers: 0
Tot. offsite transfers for further waste management:	0
Chemical name: N-BUTYL ALCOHOL	
CAS Number: 71363	
Indicates whether chemical is produced in facility:	Not reported
Indicates whether chemical is imported:	Not reported
Indicates whether chemical is for on-site use:	Not reported
Max chem. qty code: Not reported	
Estimated qty of Fugitive air release pounds/yr:	Not reported
Estimated qty of stack air release in pounds/yr:	Not reported
Total air emissions: 0	
Affected stream name: Not reported	Water stream release: Not reported
Percentage of total qty by weight of stream release:	Not reported
Total number of streams reported as receiving releases:	0
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	Not reported
Total qty injected underground onsite to Class II-V well underground injection:	Not reported
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	Not reported
Non-RCRA Landfills Release:	Not reported
Land treatment/farming releases:	Not reported
Surface impoundments release:	Not reported
Other disposal: Not reported	Tot. onsite medium rel.: 0
Metals offsite transfers: 0	Tot. reprtd storage-only: 0
POTWS offsite transfers: 0	Underground injection: 0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal: 0	Other offsite mgmnt: 0
Waster broker transfers: 0	Tot. offsite transfers: 0
Tot. offsite transfers for further waste management:	0
Chemical name: N-METHYL-2-PYRROLIDONE	
CAS Number: 872504	
Indicates whether chemical is produced in facility:	Not reported
Indicates whether chemical is imported:	Not reported
Indicates whether chemical is for on-site use:	Not reported
Max chem. qty code: Not reported	
Estimated qty of Fugitive air release pounds/yr:	Not reported
Estimated qty of stack air release in pounds/yr:	Not reported
Total air emissions: 0	
Affected stream name: Not reported	Water stream release: Not reported
Percentage of total qty by weight of stream release:	Not reported
Total number of streams reported as receiving releases:	0

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	Not reported
Total qty injected underground onsite to Class II-V well underground injection:	Not reported
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	Not reported
Non-RCRA Landfills Release:	Not reported
Land treatment/farming releases:	Not reported
Surface impoundments release:	Not reported
Other disposal:	Not reported
Metals offsite transfers:	0
POTWS offsite transfers:	0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal:	0
Waster broker transfers:	0
Tot. offsite transfers for further waste management:	0
Chemical name:	CYCLOHEXANE
CAS Number:	110827
Indicates whether chemical is produced in facility:	Not reported
Indicates whether chemical is imported:	Not reported
Indicates whether chemical is for on-site use:	Not reported
Max chem. qty code:	Not reported
Estimated qty of Fugitive air release pounds/yr:	Not reported
Estimated qty of stack air release in pounds/yr:	Not reported
Total air emissions:	0
Affected stream name:	Not reported
Percentage of total qty by weight of stream release:	Not reported
Total number of streams reported as receiving releases:	0
Total amount of all stream release:	0
Total qty injected underground onsite to Class I well:	Not reported
Total qty injected underground onsite to Class II-V well underground injection:	Not reported
Total underground well injection in pounds/year:	0
Estimated qty released to RCRA subtitle C Landfills:	Not reported
Non-RCRA Landfills Release:	Not reported
Land treatment/farming releases:	Not reported
Surface impoundments release:	Not reported
Other disposal:	Not reported
Metals offsite transfers:	0
POTWS offsite transfers:	0
Tot. qty reported as landfill/disposal surface impoundments:	0
Tot. qty reported as land treatment:	0
Other land disposal:	0
Waster broker transfers:	0
Tot. offsite transfers for further waste management:	0

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

MULTIMEDIA

Facility manufactures or imports toxic chemicals on the TSCA list

DATABASE: Toxic Substances Control Act (TSCA)

MORTON INTERNATIONAL INC
2700 170TH ST
LANSING, IL 60438
EDR ID #1000416988

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

MULTIMEDIA

Facility is listed in EPA's index system

DATABASE: Facility Index System (FINDS)

MORTON INTERNATIONAL INC
2700 170TH ST
LANSING, IL 60438
EDR ID #1000416988

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report. Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

EPA-ID: ILD005229448
EPA Records Indicate Facility Is Listed In: AIRS Facility System
System ID: IL0091396
Facility Name: NEW MORTON
Facility Address: 2701 EAST 170TH STREET
LANSING, IL 60438 - 1107
Local Facility Name: MORTON INTERNATIONAL, INC
Date Reported to Government: 200004251654

EPA-ID: ILD005229448
EPA Records Indicate Facility Is Listed In: BRS
System ID: ILD005229448
Facility Name: NEW MORTON
Facility Address: 2700 E 170TH ST
LANSING, IL 60438
Local Facility Name: Not reported
Date Reported to Government: 200004111655

EPA-ID: ILD005229448
EPA Records Indicate Facility Is Listed In: Enforcement Docket System
System ID: 05-1993-1545-0001
Facility Name: MORTON INTERNATIONAL INC DIV BEE CHEM CO
Facility Address: 2700 E 170TH ST
LANSING, IL 60438
Local Facility Name: MORTON INTERNATIONAL
Date Reported to Government: 200006141007

EPA-ID: ILD005229448
EPA Records Indicate Facility Is Listed In: National Compliance Database
System ID: D05#5-TSCA-94-076
Facility Name: BEE CHEMICAL CO
Facility Address: 2700 E. 170TH ST
LANSING, IL 60438
Local Facility Name: Not reported
Date Reported to Government: 199511030000

EPA-ID: ILD005229448
EPA Records Indicate Facility Is Listed In: National Compliance Database
System ID: M05#1988072927136 3
Facility Name: BEE CHEMICAL CO.
Facility Address: 2700 E. 170TH ST.
LANSING, IL 60438

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Local Facility Name: Not reported
Date Reported to Government: 199405180000

EPA-ID: ILD005229448
EPA Records Indicate Facility Is Listed In: Permit Compliance System
System ID: ILR003091
Facility Name: MORTON INTERNATIONAL, INC.
Facility Address: 2700 E. 170TH ST.
LANSING, IL 60438
Local Facility Name: Not reported
Date Reported to Government: 199906090315

EPA-ID: ILD005229448
EPA Records Indicate Facility Is Listed In: Resource Conservation Recovery Act Information System
System ID: ILD005229448
Facility Name: MORTON INTERNATIONAL INC
Facility Address: 2700 170TH ST
LANSING, IL 60438
Local Facility Name: Not reported
Date Reported to Government: 199809081528

EPA-ID: ILD005229448
EPA Records Indicate Facility Is Listed In: Toxic Chemical Release Inventory System
System ID: 60438BCHMC2700E
Facility Name: MORTON INTL. 130130
Facility Address: 2701 E. 170TH ST.
LANSING, IL 60438
Local Facility Name: MORTON INTL. 130130
Date Reported to Government: 199911231027

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement for databases included in ASTM E1527-97.

WASTE MANAGEMENT

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 06/21/2000

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/02/2001

Date of Next Scheduled Update: 10/15/2001

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/1997

Database Release Frequency: Biennially

Date of Last EDR Contact: 06/18/2001

Date of Next Scheduled Update: 09/17/2001

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/2001

Date of Next Scheduled Update: 09/10/2001

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/27/2001

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/12/2001

Date of Next Scheduled Update: 09/10/2001

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/30/2001

Database Release Frequency: Annually

Date of Last EDR Contact: 05/18/2001

Date of Next Scheduled Update: 08/13/2001

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/30/2001

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/2001

Date of Next Scheduled Update: 10/08/2001

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

IL UST: Underground Storage Tank Facility List

Source: Illinois State Fire Marshal

Telephone: 217-785-0969

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/06/2001

Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/29/2001

Date of Next Scheduled Update: 08/27/2001

IL LUST: Leaking Underground Storage Tank Sites

Source: Illinois Environmental Protection Agency

Telephone: 217-782-6760

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/26/2001

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/29/2001

Date of Next Scheduled Update: 08/27/2001

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/08/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/10/2001

Date of Next Scheduled Update: 10/29/2001

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2000

Database Release Frequency: Annually

Date of Last EDR Contact: 07/23/2001

Date of Next Scheduled Update: 10/22/2001

WASTE DISPOSAL

NPL: National Priority List

Source: EPA

Telephone: Not reported

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 04/17/2001

Date Made Active at EDR: 08/06/2001

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/09/2001

Elapsed ASTM Days: 89

Date of Last EDR Contact: 08/06/2001

PROPOSED NPL: Proposed National Priority List Sites

Source: EPA

Telephone: Not reported

Date of Government Version: 04/17/2001

Date Made Active at EDR: 08/06/2001

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/09/2001

Elapsed ASTM Days: 89

Date of Last EDR Contact: 08/06/2001

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: Not reported

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/17/2001

Date Made Active at EDR: 08/06/2001

Database Release Frequency: N/A

Date of Data Arrival at EDR: 05/09/2001

Elapsed ASTM Days: 89

Date of Last EDR Contact: 08/06/2001

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/16/2001

Date Made Active at EDR: 04/30/2001

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/26/2001

Elapsed ASTM Days: 35

Date of Last EDR Contact: 06/25/2001

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 03/16/2001

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/25/2001

Date of Next Scheduled Update: 09/24/2001

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991

Date Made Active at EDR: 03/30/1994

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/02/1994

Elapsed ASTM Days: 56

Date of Last EDR Contact: 05/23/2001

IL SHWS: State Oversight List

Source: Illinois Environmental Protection Agency

Telephone: 217-524-4863

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 06/01/2001

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/30/2001

Date of Next Scheduled Update: 08/27/2001

IL SWF/LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge

Source: Illinois Environmental Protection Agency

Telephone: 217-785-8604

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/01/2000

Database Release Frequency: Annually

Date of Last EDR Contact: 05/29/2001

Date of Next Scheduled Update: 08/27/2001

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/1998

Database Release Frequency: Annually

Date of Last EDR Contact: 06/27/2001

Date of Next Scheduled Update: 09/24/2001

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/1998

Database Release Frequency: Annually

Date of Last EDR Contact: 07/09/2001

Date of Next Scheduled Update: 09/10/2001

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/26/2001

Date of Next Scheduled Update: 09/24/2001

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 08/10/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/26/2001

Date of Next Scheduled Update: 09/24/2001

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: Not reported

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/07/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/09/2001

Date of Next Scheduled Update: 10/08/2001

IL NIPC: Solid Waste Landfill Inventory

Source: Northeastern Illinois Planning Commission

Telephone: 312-454-0400

Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/1988

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/1997

Date of Next Scheduled Update:

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. (C) Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties

Source: EPA

Telephone: 202-564-6064

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/23/2000

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/10/2001

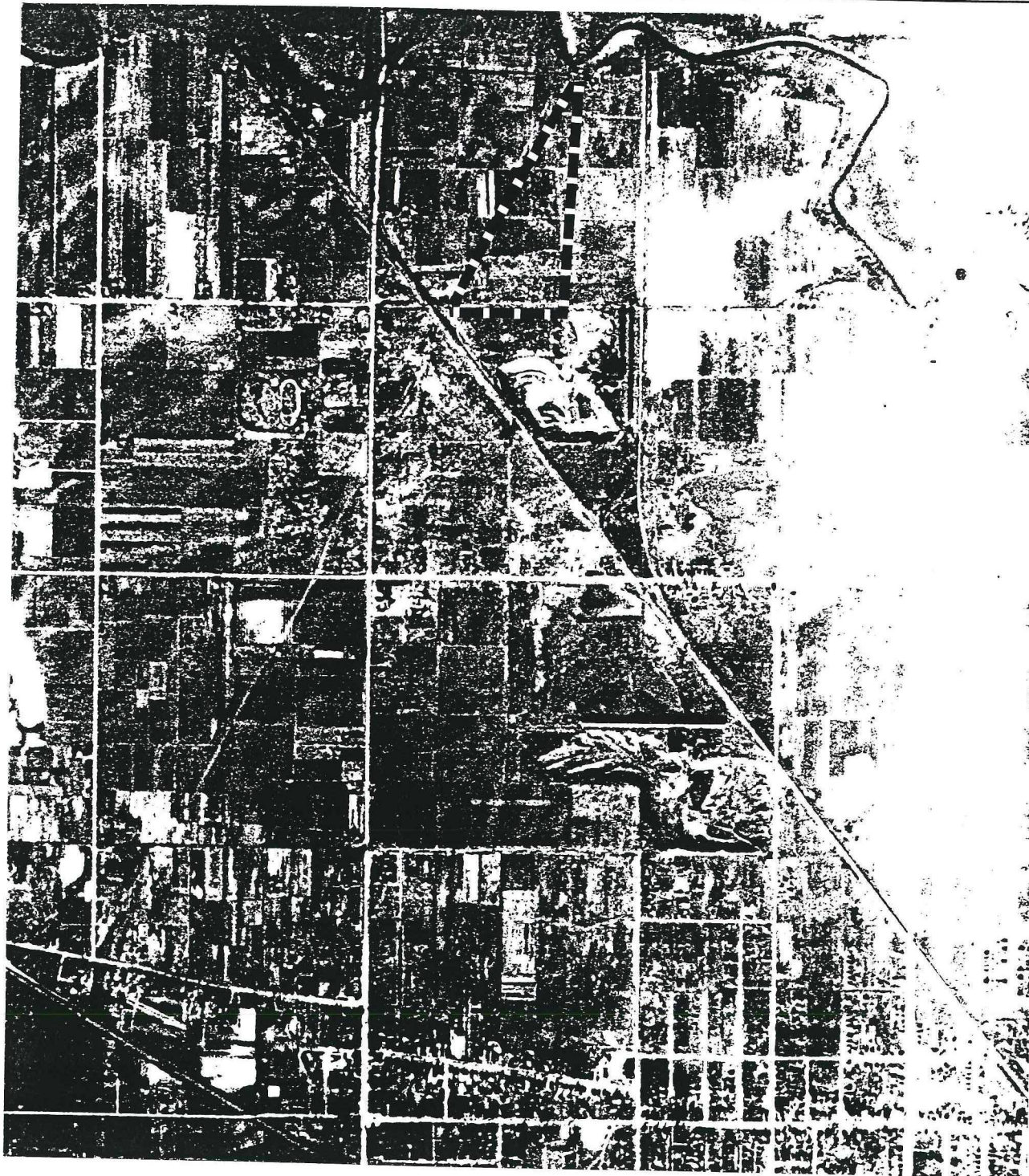
Date of Next Scheduled Update: 10/08/2001

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D007	CHROMIUM
D008	LEAD
D035	METHYL ETHYL KETONE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
U135	HYDROGEN SULFIDEHYDROGEN SULFIDE H ₂ S

Appendix C

Aerial Photographs



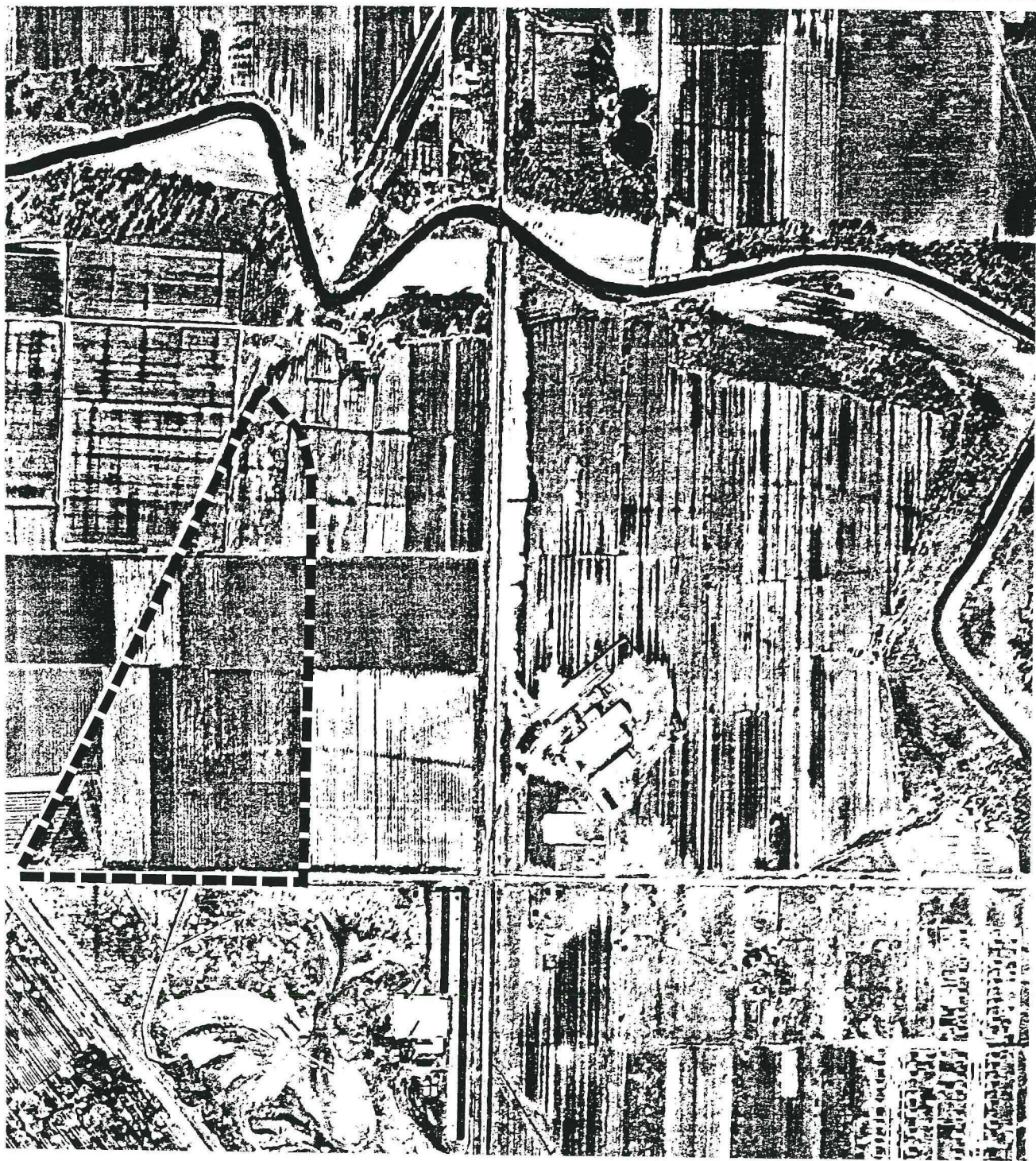
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V0730 #141

URS

122 So. Michigan Ave.
Suite 1920
Chicago, Illinois 60603

**1938 AERIAL PHOTO
EXCHANGE AVENUE & 170th ST.
LANSING, ILLINOIS**

DESIGN: EWS	CHE'D CAA	PROJECT NO.	APPENDIX
DRAWN: LM	DATE: 7/24/01	2200000172	C



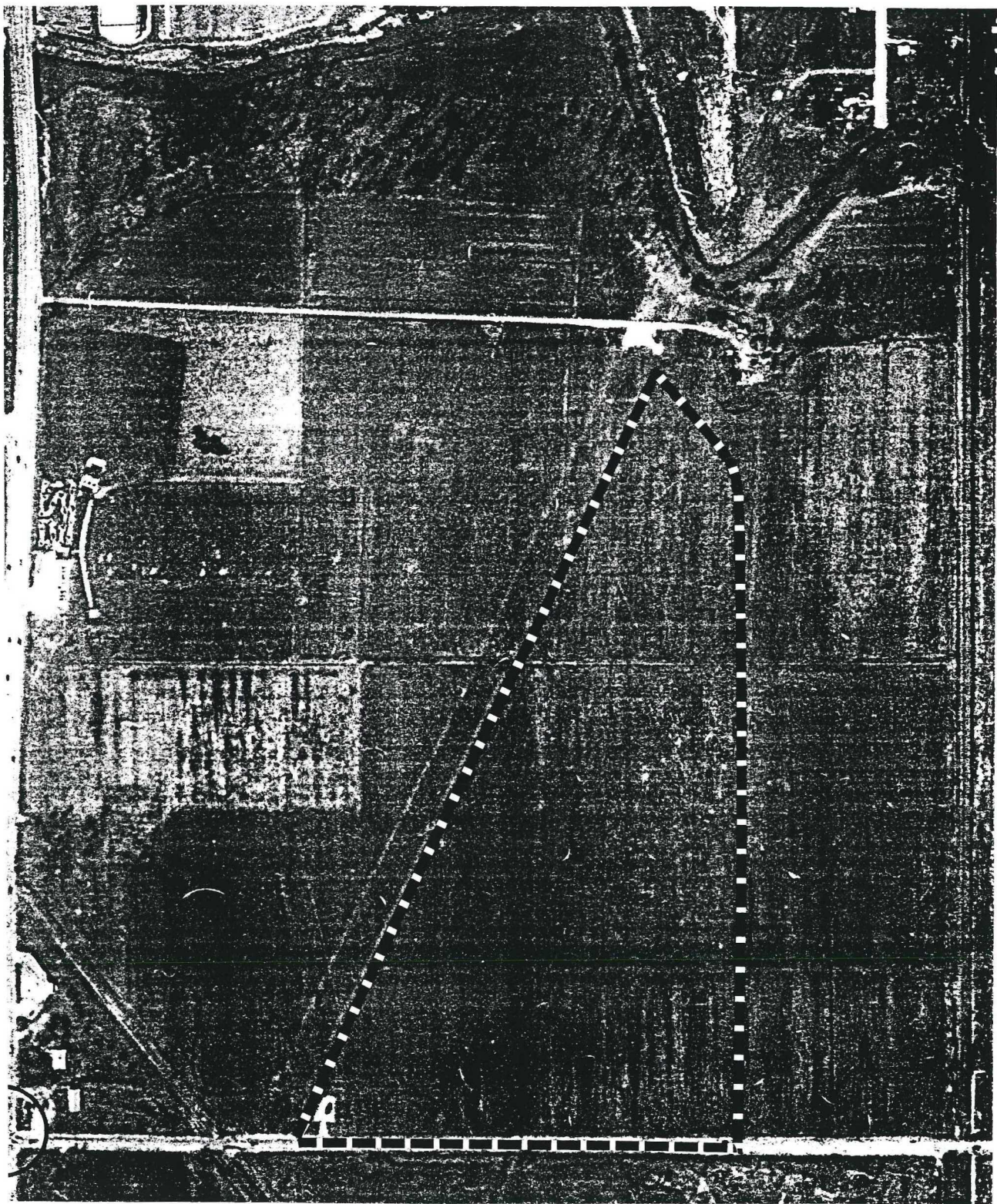
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VP52 8/1/01

URS

122 So. Michigan Ave.
Suite 1920
Chicago, Illinois 60603

1952 AERIAL PHOTO
EXCHANGE AVENUE & 170th ST.
LANSING, ILLINOIS

DESIGN: RWS	CHE'D CAA	PROJECT NO. 2200000172	APPENDIX C
DRAWN: LM	DATE: 7/24/01		



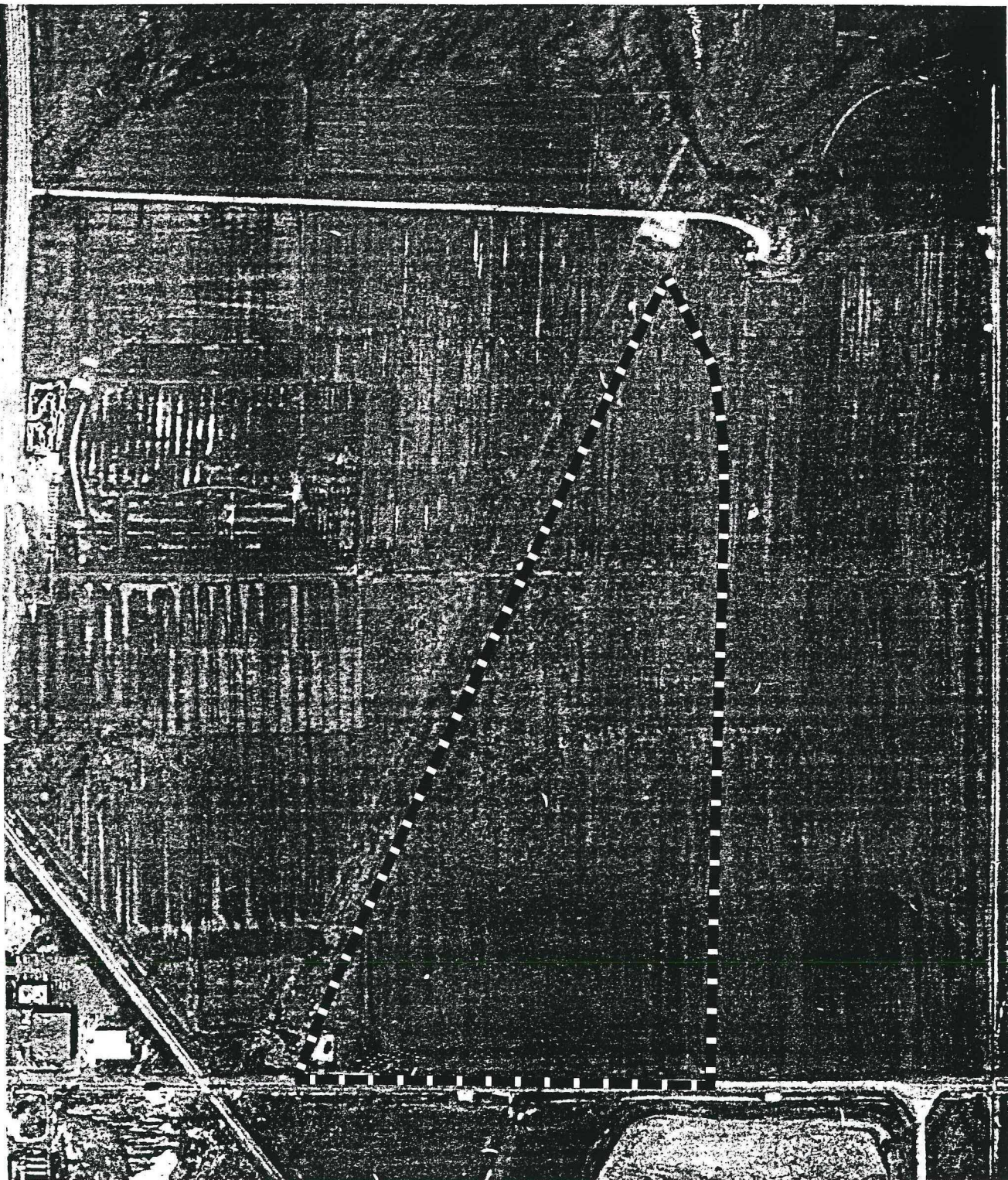
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URS

122 So. Michigan Ave.
Suite 1920
Chicago, Illinois 60603

1970 AERIAL PHOTO
EXCHANGE AVENUE & 170th ST.
LANSING, ILLINOIS

DESIGN: EWE	CHK'D CAA	PROJECT NO.	APPENDIX
DRAWN: LM	DATE: 7/24/01	2200000172	C



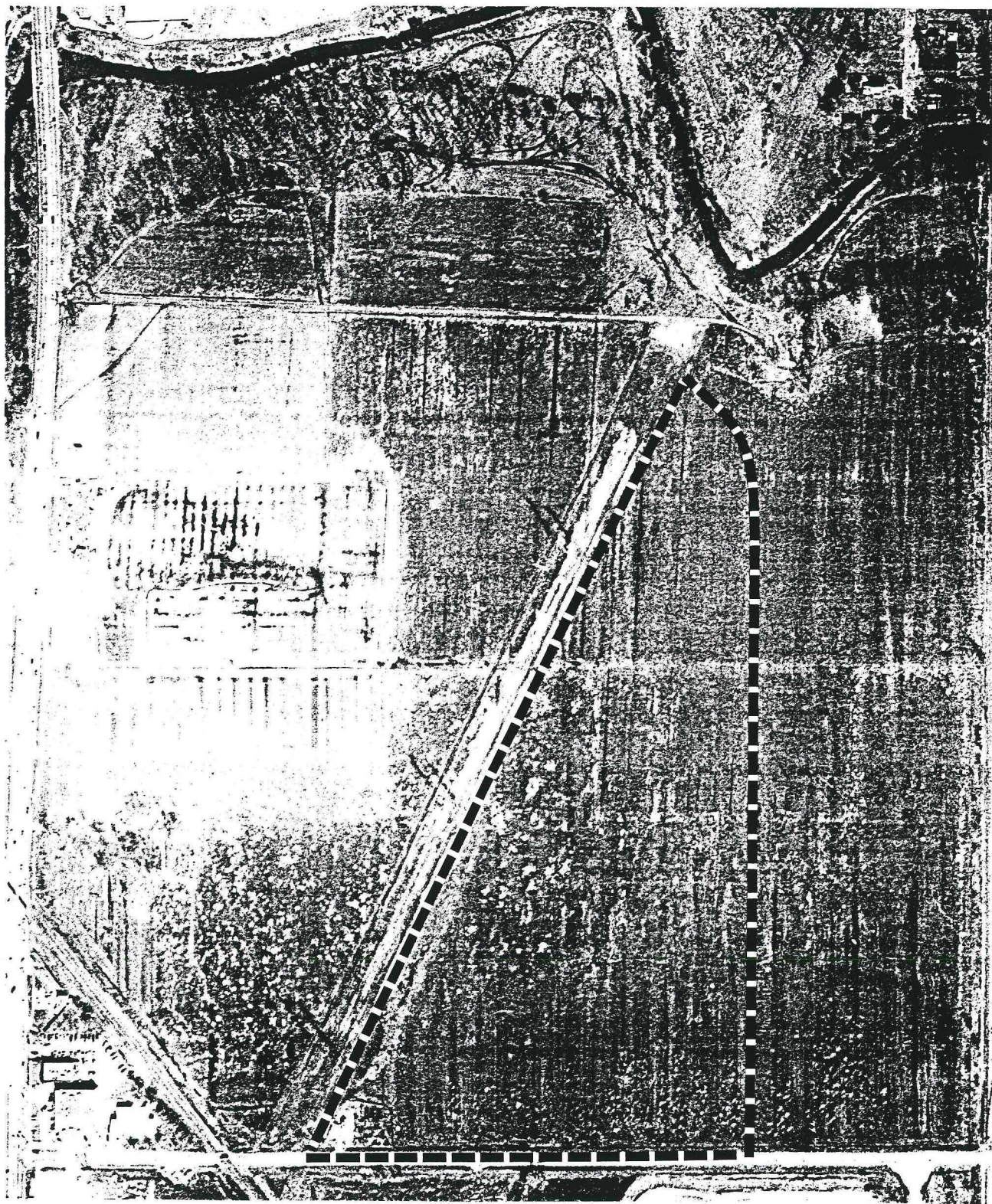
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v157/5 p11

URS

122 So. Michigan Ave.
Suite 1920
Chicago, Illinois 60603

1975 AERIAL PHOTO
EXCHANGE AVENUE & 170th ST.
LANSING, ILLINOIS

DESIGN: EWS	CHK'D CAA	PROJECT NO.	2200000172	APPENDIX C
DRAWN: LM	DATE: 7/24/01			



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V0781 gdl

URS

122 So. Michigan Ave.
Suite 1920
Chicago, Illinois 60603

1981 AERIAL PHOTO
EXCHANGE AVENUE & 170th ST.
LANSING, ILLINOIS

DESIGN: RWE	CHK'D CAA	PROJECT NO.	APPENDIX
DRAWN: LM	DATE: 7/24/01	2200000172	C



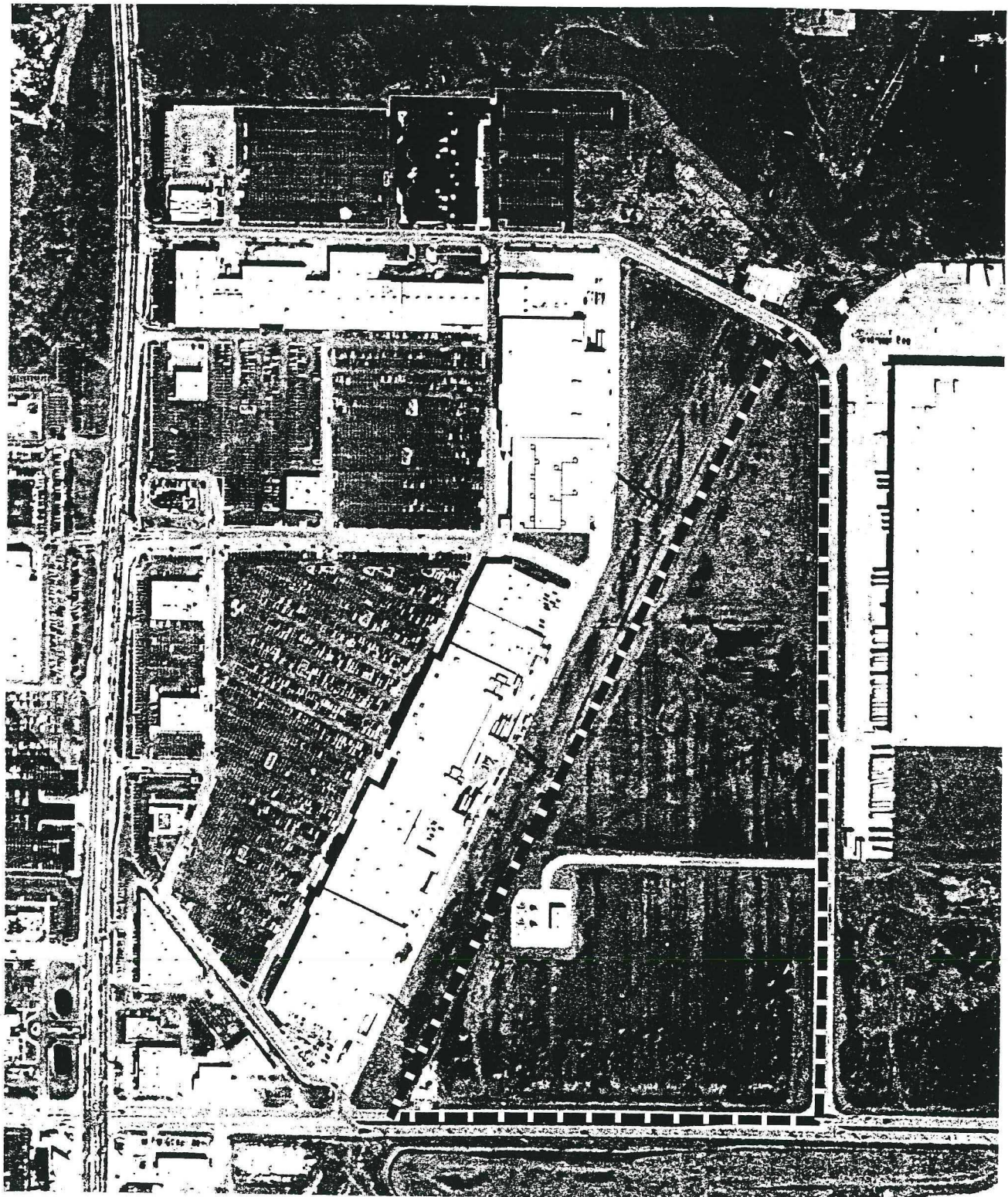
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10/25/01

URS

122 So. Michigan Ave.
Suite 1920
Chicago, Illinois 60603

1985 AERIAL PHOTO
EXCHANGE AVENUE & 170th ST.
LANSING, ILLINOIS

DESIGN: RWS	CHK'D: CAA	PROJECT NO.	APPENDIX
DRAWN: LM	DATE: 7/24/01	2200000172	C



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v4599 s1e1

URS

122 So. Michigan Ave.
Suite 1920
Chicago, Illinois 60603

1995 AERIAL PHOTO
EXCHANGE AVENUE & 170th ST.
LANSING, ILLINOIS

DESIGN: EWS	CHE'D: CAA	PROJECT NO. 2200000172	APPENDIX C
DRAWN: LM	DATE: 7/24/01		

Appendix D Resumes

AREAS OF EXPERTISE

- Remediation Systems
- Environmental Site Investigation
- Hydrogeology

EDUCATION

Duke University: M.E.M.,
Water Resource
Management, 1989

Tufts University: B.S.,
Environmental Studies,
Geology 1986

**PROFESSIONAL
HISTORY**

URS Corporation, Project
Geologist, 1990-Present

North Carolina Department
of Environment, Health &
Natural Resources, Water
Supply Specialist, 1989-
1990

U.S. Geological Survey,
Hydrologic Technician,
1988-1989

REGISTRATION

Certified Hazardous
Materials Manager, Master
Level

TRAINING

Indiana Department of
Environmental
Management, Risk
Integrated System of
Closure (RISC)

Understanding Migration,
Assessment, and

REPRESENTATIVE EXPERIENCE

Ms. Rubin has extensive experience in remediation, specifically as it relates to ground water and soil contamination. Ms. Rubin has been involved in many environmental field investigations ranging in size from site audits and small municipal landfill sites to large RCRA and CERCLA sites.

Ms. Rubin has performed the duties of project manager overseeing collection of soil, ground water, surface water and sediment samples. Her work includes all phases of investigation from pre-mobilization work such as workplans, health and safety plans, sampling and analysis plans; to collection and analysis of field data; and preparation of technical reports. Her experience includes:

- Brownfields investigations in Northwest Indiana to support closure by the Indiana Voluntary Remediation Program (VRP). At one site a golf course will be used as a cap for remediation purposes. Another site will be used as a park area. A third site will be reused as a commercial industrial site, with plans including a hotel, business park and industrial facility.
- Analysis of hydrogeologic data and remediation control system parameters to optimize free phase hydrocarbon recovery at an active refinery. This included determining the number and spacing of wells to be monitored, drawdown rates and appropriate capture zones. These data will be used in the operation and maintenance of over 70 remediation systems at the site, and in the determination of when the systems have fulfilled their objectives.
- Phytoremediation pilot tests using wetland species and prairie species to remediate hydrocarbons, phenols, and high pH.
- An experimental project to determine the effects of hydraulic fracturing of clay soils to enhance vapor recovery. She oversaw the drilling and hydraulic fracturing of the clay formation and the installation of the vapor extraction wells into the fractured formation. Ms. Rubin then performed the operation and maintenance of the high vacuum vapor extraction system. She collected air samples from the vapor extraction system waste stream and analyzed the air samples on an on-site portable gas chromatograph.

Remediation of Non-Aqueous Phase Liquids

Probability, Statistics & Human Health Risk Assessment

Contaminant Fate & Transport

Hazardous Waste Health & Safety Site Supervisor

Construction Safety & Health

AFFILIATIONS

National Ground Water Association

- Performance of risk assessments at a number of gasoline contaminated sites. She assembled data from numerous sources to be used as input parameters for risk assessment modeling. She performed the ASTM risk based corrective action (RBCA) risk assessment models. Most of the sites which she analyzed resulted in "No Further Action".
- Statistical analysis of a number of long-term ground water monitoring programs, including sites regulated under RCRA and CERCLA, for compliance monitoring, detection monitoring and corrective action monitoring. She determined the most appropriate statistical methods and distribution for each statistical test, performed the calculations and the analyses, and prepared the technical reports.
- Performance of RCRA Facility Investigation including surface and subsurface soils sampling, analysis of data, comparison of data to regulatory guidelines and report writing.
- Implementation of preventative measures at a number of solid waste management units at RCRA facility.
- A number of hydrogeologic investigations with ground water transport modeling for radionuclides, inorganic chemicals, organic compounds, solvents, and hazardous waste.
- Design, collection and analysis of a water use inventory of the Currituck County Outer Banks of North Carolina. She used these data and population growth estimates to predict water use in the area for the next twenty years. Her report was used in the determination of future water supply alternatives.

PUBLICATIONS

"Application of Field and Analytical Techniques to Evaluate Recoverability of Subsurface Free Phase Hydrocarbons", Proceedings of the 1999 Petroleum Hydrocarbons and Organic Chemicals in Ground Water, November 1999.

AREAS OF EXPERTISE

- UST Management & Removal
- Environmental Site Assessments

EDUCATION

Moraine Valley
Community College: A.S.,
1987

**PROFESSIONAL
HISTORY**

URS, Senior Technician,
1996-Present

Camp, Dresser & McKee,
Inc., Senior Technician,
1995-1996

Woodward-Clyde, Senior
Technician, 1989-1995

Ecology and Environment,
Inc., Environmental
Technician, 1987-1989

TRAINING

40-Hours Basic Health &
Safety Training

8-Hours Site Supervisor
Training

AHERA Asbestos
Inspector Training

U.S. Army ECAS Training

Troxler Electronic
Laboratories Radiological
Safety and Nuclear Gauge
Operation Training

8-Hours Lead Inspector
Training

REPRESENTATIVE EXPERIENCE

While working with URS, Mr. Short has conducted work on a wide scope of projects ranging from small real estate transaction assessments to full-scale soil and groundwater investigations at major oil refineries. Mr. Short has worked on over 100 projects with URS which include: soil and groundwater investigations, contaminated soil removal, underground storage tank removal and remediation, Phase I & II Site Assessments, compliance audits, geotechnical investigations, and asbestos surveys. His specific responsibilities for these projects have included: planning field activities, coordinating field work with subcontractors, file searches, logging geologic borings, inspecting the installation of monitoring wells, closure sampling of contaminated soil excavations, conducting on-site health and safety procedures, conducting elevation surveys, asbestos sampling, health and safety plan preparation, work plan preparation, and report writing. Has gained extensive experience in over 70 hazardous waste site investigations in conjunction with the U.S. EPA CERCLA program.

Mr. Short's specific project experience includes:

- Amoco Oil Refinery, Whiting, Indiana: Inspected the drilling and installation of over 15 monitoring wells in conjunction with a storm water surge basin closure. Conducted health and safety procedures during drilling and soil sampling activities on a barge on the storm water surge basin. Participated in several rounds of quarterly groundwater sampling of 44 monitoring wells.
- Phase I/II Site Assessment, UGN, Inc., Chicago Heights, Illinois: Conducted site reconnaissance, file search, records review, and prepared Phase I report. During Phase II subcontracted laboratory and driller, directed drilling activities in areas with potential contamination, interpreted analytical data and prepared Phase II report.
- Phase I Site Assessment, Chicago Dock & Canal, Chicago, Illinois: Conducted site reconnaissance, file search, records review, and prepared Phase I report for Indianapolis portion of the project. Performed similar tasks on the Chicago portion of the project.
- W65 Industrial Park, Richmond Asset Management, Bedford Park, Illinois: Conducted a site reconnaissance, records review, file search, and Prepared the Phase I report

for the property. Conducted field oversight and sampling during closure of six USTs on the property. Participated in the sampling and preparation of a comprehensive asbestos survey of the property building.

- Shell Oil Refinery, Wood River, Illinois - Directed drilling activities during an investigation of former solid waste management units. Logged the lithology of soil borings and conducted field screening of soil samples to determine which samples would be most appropriate for laboratory submittal.
- Dow Corning, Carrolton, Kentucky - Responded to a spill situation in which an undetermined amount of hydrochloric acid solution had leaked into the ground through a hole in an underground sump. Directed drilling and monitoring well installation activities at the source of the spill and field tested soil samples for pH. Delineated the extent of contamination and conducted oversight and monitoring during remediation activities which involved injection of caustic solution.
- Union Pacific Railroad, Dolton, Illinois - Directed drilling activities which involved soil sampling and the installation of 23 temporary piezometers and 7 monitoring wells to delineate the extent of hydrocarbon contamination of a diesel fueling facility. Conducted colorimetric Immunoassay tests in the field to estimate levels of contaminants prior to installing permanent monitoring wells.

AREAS OF EXPERTISE

- Environmental Site Assessments
- Environmental Compliance
- Asbestos

EDUCATION

Governors State
University: M.S.,
Environmental Biology,
1991

University of Illinois: B.S.,
Biology, 1987

REGISTRATION

State Licensed
Building Inspector,
Management Planner

- Illinois
- Ohio
- Iowa
- Wisconsin

PROFESSIONAL HISTORY

URS, Assistant Project
Scientist, 1992 - Present

Nova Environmental
Services, Inc.,
Environmental Scientist,
1990 - 1992

Alex, Inc., Environmental
Technologist, 1988-1990

REPRESENTATIVE EXPERIENCE

Mr. Albrecht has over twelve years in the environmental field, focusing on Phase I and Phase II Environmental Site Assessments. He has conducted work on a wide scope of projects which include: soil and groundwater investigations, underground storage tank removal, environmental compliance assessments, and asbestos surveys.

Mr. Albrecht has participated in a wide variety of projects, including the following:

Environmental Assessments

- Performed assessments of environmental and occupational safety and health compliance at Federal Aviation Administration (FAA) facilities as part of four teams at 58 stations throughout the state of Alaska. Served as the team leader responsible for scheduling, budget and project coordination in the field. Evaluated the environmental compliance of various facilities in terms of 12 protocols under the Environmental Compliance Assessment Program developed by the USACE, including: Air Emissions Management, Cultural and Historical Resources Management, Hazardous Materials Management, Hazardous Waste Management, Natural Resource Management, Pesticide Management, Petroleum, Oil, and Lubricant (POL) Management, Solid Waste Management, Special Pollutants Management, Underground Storage Tanks (UST) Management, Water Quality Management, and Past Practices Management.
- Performed environmental assessments of a large petroleum company's chemical business unit comprised of their corporate offices, two processing facilities, and eleven warehouse distribution facilities located throughout North America. As part of this compliance audit, the following regulations were evaluated: Clean Air Act, the Clean Water Act, Federal Water Pollution Control Act, CERCLA, RCRA, TSCA, Safe Drinking Water Act, SARA Title II, FIFRA, and OSHA Regulations 29 CFR 1910 and 1926.
- Performed environmental assessments of the U.S. Army National Guard facilities in Rhode Island and Connecticut as part of the U.S. Army's Environmental Compliance Assessment System (ECAS). Evaluated the environmental compliance of various facilities in terms of 17 protocols,

TRAINING

40-Hour Health & Safety
Training

10-Hour OSHA
Construction Training

8-Hour Site Supervisor
Training

First Aid/CPR

AHERA Asbestos
Inspector/Management
Planner Training

U.S. Army ECAS Training

ISO 14001 Environmental
Management System
(EMS) Lead Auditor
Training

including the Clean Air Act, the Clean Water Act, RCRA, Superfund, Toxic Substances, Historic Preservation, Natural Resources, Noise, Asbestos, and Hazardous Materials.

- Phase I ESA, Chicago Dock & Canal, Chicago, Illinois: Conducted site reconnaissance and historical research of several properties, including 23-acres of former heavy industrial use dating back to the 1850s and two office complexes located out of state.
- Phase I/II ESA, General Parking, Chicago, Illinois: Woodward-Clyde identified potential hazards during a Phase I ESA investigation, with recommendations for additional Phase II work regarding proper closure of previously removed USTs, as well as oversight for removal of a remaining UST.
- Phase I/II ESA and EHS Compliance Audit of a major manufacturing facility comprising 475,500 ft² of office, warehouse, manufacturing, sales, and research & development space on 32 acres. Identified 12 major areas of concern, conducted a thorough Phase II Investigation, and provided oversight for the remediation.
- Phase I ESA and EHS Compliance Audit of a 100,000 ft² manufacturing firm identified potential hazards during a Phase I ESA investigation, with recommendations for additional Phase II work regarding proper closure of previously removed USTs, as well as Health & Safety program recommendations.

Asbestos

Mr. Albrecht has conducted asbestos surveys and prepared management plans for a variety of facilities. Representative experience includes:

- Field supervisor for a 400+ building asbestos survey at the U.S. Naval Base in Rota Spain; included detailed survey reports for friable and non-friable ACM and a complete management plan.
- Completion of a comprehensive asbestos survey and management plan for a multi-building warehouse and manufacturing facility containing over 1 million square feet. An operations and maintenance manual was written by Mr. Albrecht for this facility based on his observations.

